

Global Fire Resistance Assessment

Sponsor:
Pyroplex Ltd.
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Worcestershire
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CONFIDENTIAL

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Global Fire Resistance Assessment of Pyroplex Products for Fire
Resisting Timber Doorset Assemblies for 30, 60 & 90 Minutes Fire
Resistance

Valid From: 7th May 2014

Valid Until: 7th May 2019

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BM TRADA – the new name for Chiltern International Fire Ltd.

From July 1st 2013, Chiltern International Fire Ltd. commenced trading under the name of its parent company BM TRADA and at the same time adopted a brand new visual identity.

Historically, the group has delivered its services through a number of individual companies: BM TRADA Certification Ltd, TRADA Technology Ltd, Chiltern International Fire Ltd. (including Chiltern Dynamics) and a network of international offices. Both BM TRADA Group and these individual companies will now trade under the same name – BM TRADA – and adopt the new visual identity.

To coincide with this change, our Technical Reports, Test Reports, Products Assessments, company stationery and marketing collateral have been re-designed to carry the new branding and visual identity.

The validity of all documents previously issued by the individual companies including certificates, test reports and product assessments is unaffected by this change and a letter to this effect will be available to download from our website www.bmtradagroup.com.

About BM TRADA

With origins dating back to 1934, we have a deep history and services which are highly valued by our customers. We offer independent certification, testing, inspection, training and technical services around the world. In all these areas we continue to use industry-leading experts in their chosen fields to develop and deliver services – an ethos that has been at the heart of our approach since we began.

A recent review of our businesses and customers revealed that the individual identities sometimes make communications confusing, and that in an already complex business area, clarity and simplicity in communications is rare, but valued. It also revealed that a single identity and combined offer would help us strengthen our appeal.

With this in mind, we brought the companies together under the name BM TRADA and took the opportunity to create a fresh new visual identity.

We have modernised our image and combined our strengths. However, our values, our people and the integrity of our services remain the same. I hope you will welcome these changes and the improvements they will bring.



Jon Osborn
Chief Operating Officer

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1 Scope of Application

This document constitutes a global assessment relating to the following Pyroplex Ltd. products for 30, 60 and 90 minute fire resisting doorsets with non-metallic leaves:

1. Pyroplex Intumescent Door Edge Seals.
2. Pyroplex Fire Resistant Glazing Systems.
3. Pyroplex Air Transfer Grille Systems.
4. Pyroplex Smoke Sealing Systems.
5. Pyroplex Acoustic Sealing Systems.

The assessment report will summarise the scope of application of the above Pyroplex products when fitted to proprietary fire resisting doorsets and will be based on the associated test and assessment data.

The assessment uses established extrapolation and interpretation techniques in order to extend the scope of application by determining the limits for the design, based on the tested constructions and performances obtained. The assessment is an evaluation of the potential fire resistance performance, if the element/s were to be tested in accordance with BS 476: Part 22: 1987.

2 General Description of Products & Materials

Pyroplex intumescent door edge seals are manufactured from a graphite based intumescent compound, which expands multi-directionally in volume when exposed to elevated temperatures, forming a fire resistant seal. The intumescent material is encapsulated in a high performance durable polymer.

30 minute fire rated Pyroplex glazing systems are manufactured from a graphite based intumescent compound, which expands multi-directionally in volume when exposed to elevated temperatures, forming a fire resistant seal for glazed apertures in 30 minute fire resisting doorsets. 60 minute fire rated Pyroplex glazing systems contain an ablative compound, which does not exert pressure or exhibit any volume forming capabilities.

The fire rated smoke sealing systems do not contain any intumescent material and the full description of construction is held on file.

The Pyroplex intumescent door edge seals being considered for inclusion in this assessment shall be installed within a groove provided either in the door leaf or door frame.

Pyroplex air transfer grilles are manufactured from a modular construction and contained within the system is a graphite based intumescent compound, which expands multi-directionally in volume when exposed to elevated temperatures, forming a fire resistant seal.

The Pyroplex door edge seals being considered for this assessment are exposed, encased in PVC casing and can be either fitted with or without a smoke control function as required.

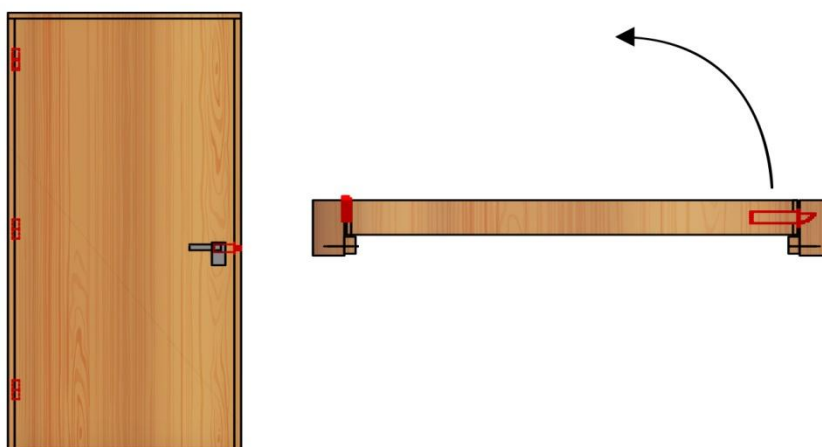
The Pyroplex edge seals for fire, smoke and acoustic performance are described and depicted in appendix A.

The Pyroplex glazing systems are depicted in appendix B.

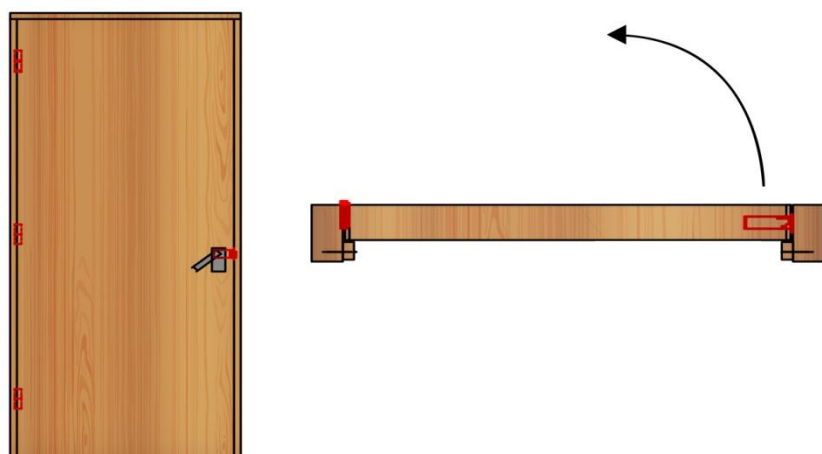
3 Leaf Configurations

The information and drawings below are keys to the abbreviations used for the different leaf configurations referred to throughout this assessment report:

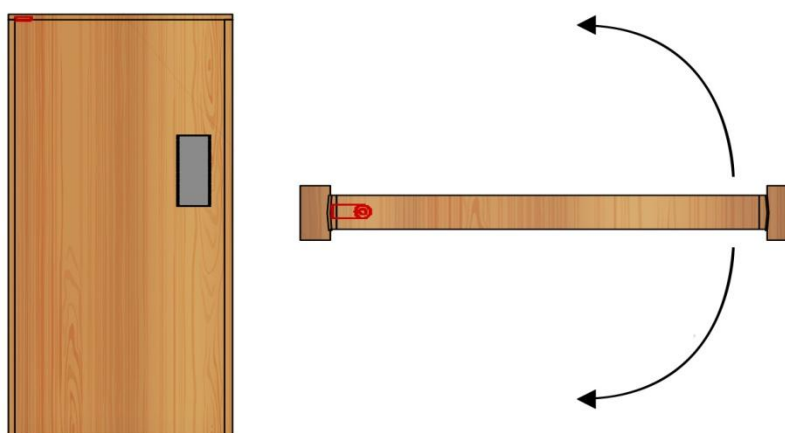
Latched, Single Acting, Single Doorset = LSASD



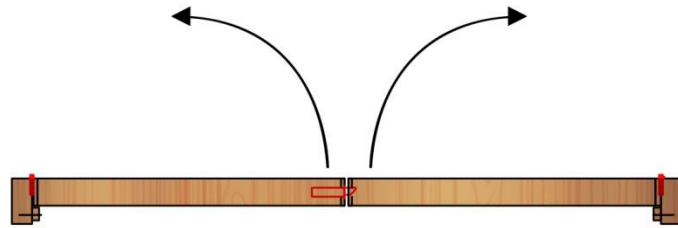
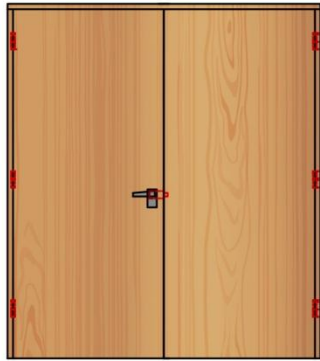
Unlatched, Single Acting, Single Doorset = ULSASD



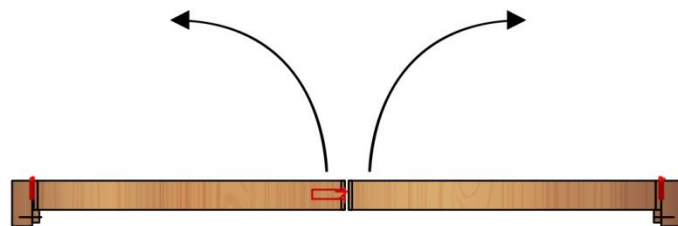
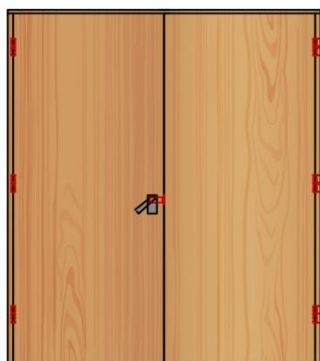
Double Acting, Single Doorset = DASD



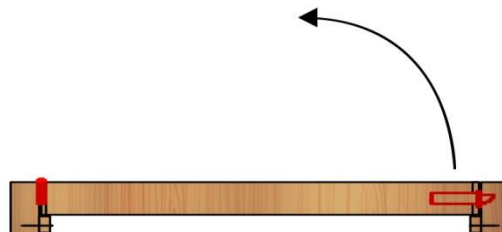
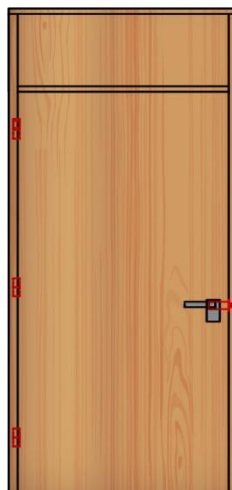
Latched, Single Acting, Double Doorset = LSADD



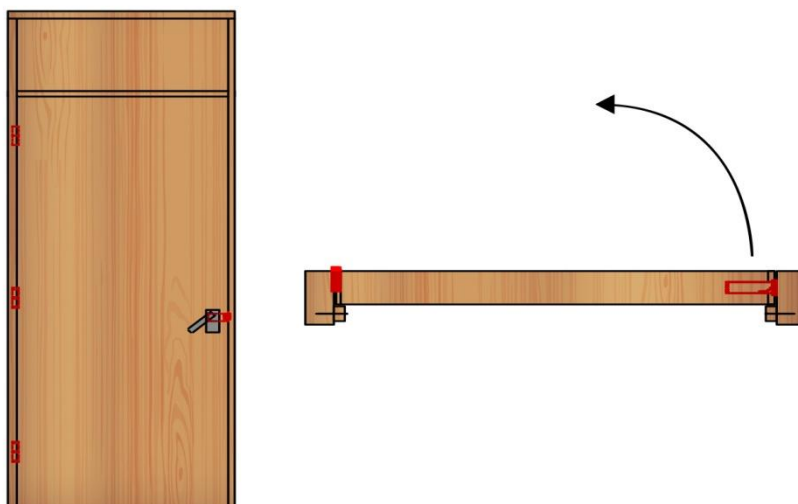
Unlatched, Single Acting, Double Doorset = ULSADD



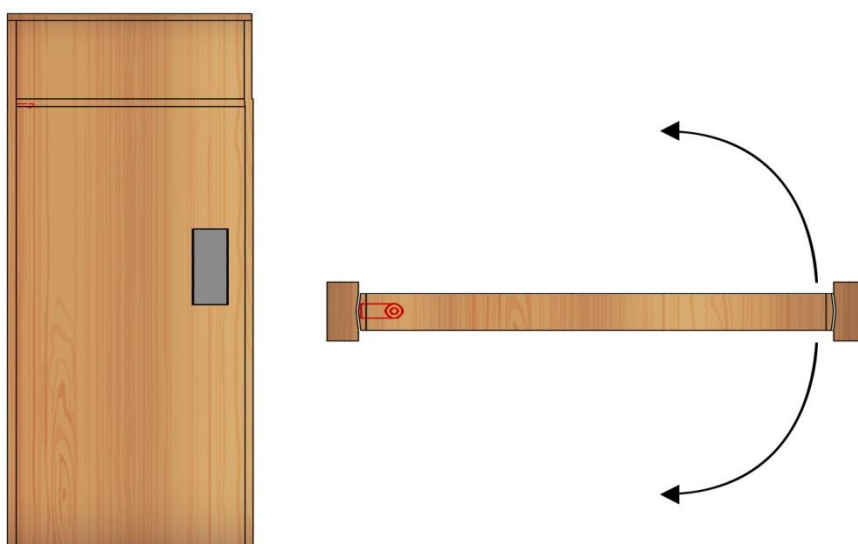
Latched, Single Acting, Single Doorset + Overpanel = LSASD + OP



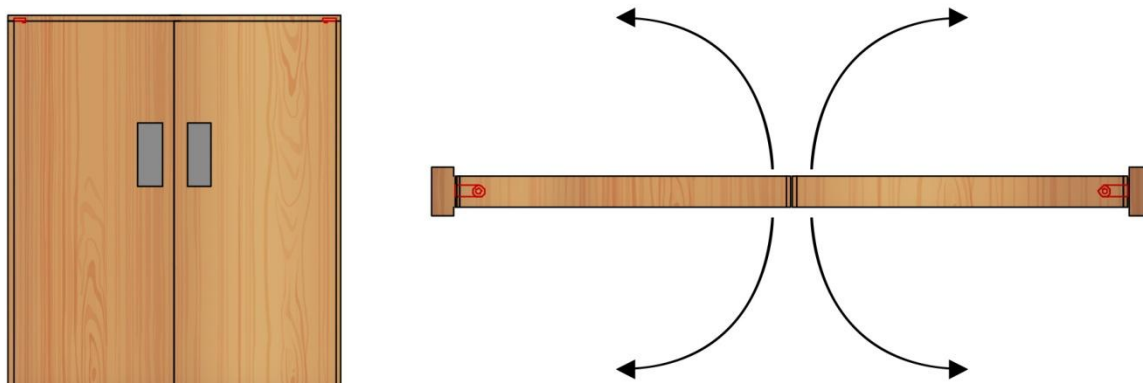
Unlatched, Single Acting, Single Doorset + Overpanel = ULSASD + OP



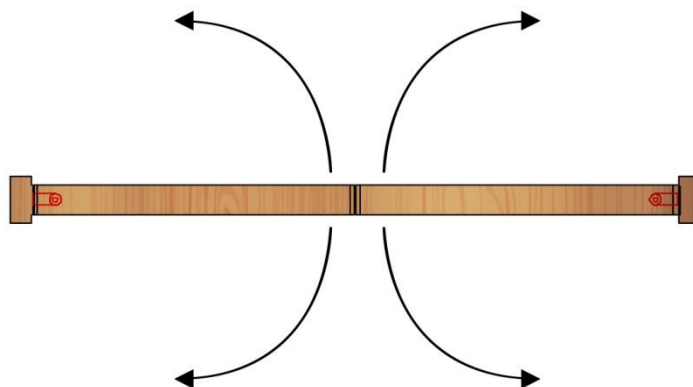
Double Acting, Single Doorset + Overpanel = DASD + OP



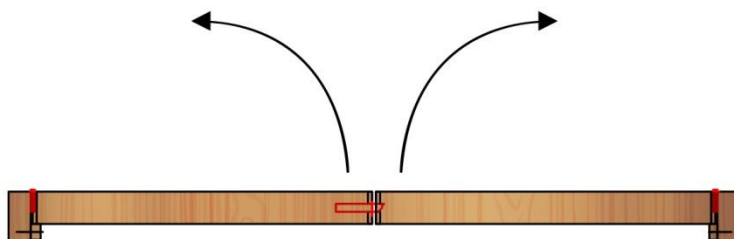
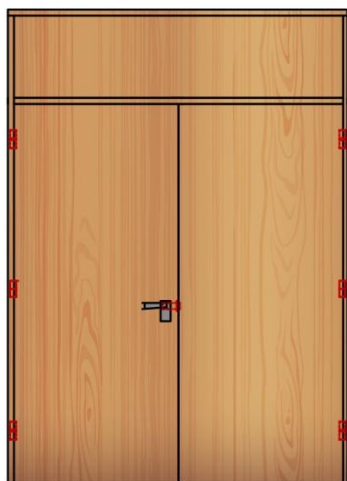
Double Acting, Double Doorset = DADD



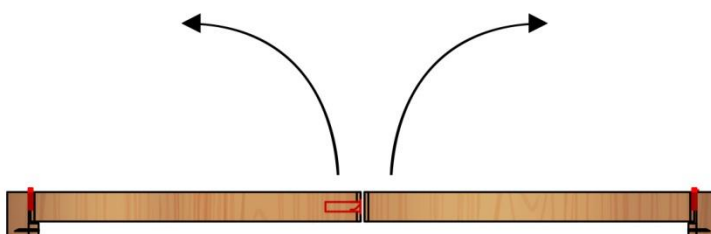
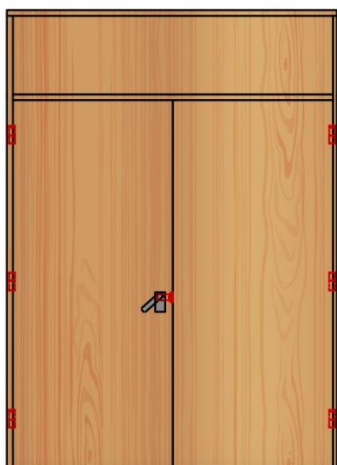
Double Acting, Double Doorset + Overpanel = DADD + OP



Latched, Single Acting, Double Doorset + Overpanel = LSADD + OP



Unlatched, Single Acting, Double Doorset + Overpanel = ULSADD + OP



4 Door Core Types

It has been proposed to consider the Pyroplex door edge seals and glazing systems with the following proprietary fire resisting doorsets. The assessment will only consider the permitted leaf dimensions and configurations for each manufacturer in terms of edge seal size and location. The assessment will only consider the maximum aperture size relevant to the manufacturer and for each glazing system. For all other details, the full construction requirements in the relevant manufacturer's global assessment must be referred to.

| Manufacturer | Product | FD Rating | General Description | Page No. |
|----------------------------|-----------------------------|-----------|---------------------------------|----------|
| Falcon Panel Products Ltd. | Strebord 35+ | 30 | Graduated density particleboard | 10 |
| | Strebord 38+ | 30 | | |
| | Strebord 44 | 30 | | |
| | Strebord Superpan | 30 | | |
| | Strebord 54 | 60 | | |
| | Strebord 90 | 90 | | |
| Halspan Ltd. | Prima 30 | 30 | Three layered particleboard | 17 |
| | Prima 30 Plus | 30 | | |
| | Prima 60 | 60 | | |
| Pacific Rim Wood Ltd. | Flamebreak 30 | 30 | Lamella | 23 |
| | Flamebreak 60 | 60 | | |
| | Safeguard 30 | 30 | | |
| | Safeguard 60 | 60 | | |
| Blankfort Inc. | Blankfort 30 | 30 | Lamella | 34 |
| | Blankfort 30+ | 30 | | |
| | Blankfort 60 | 60 | | |
| | Blankfort 60+ | 60 | | |
| Egger (UK) Ltd. | Eurospan 30 | 30 | Three layered particleboard | 40 |
| Moralt AG | FireSafe30 (glazing only) | 30 | Spruce ply veneers | 47 |
| | FireSmoke 30 (glazing only) | 30 | | |

All of the above designs have been tested and proven to BS 476: Part 22: 1987 and/or BS EN 1634-1. The global assessment documentation relevant to each manufacturer is referenced before each data sheet.

The assessment will only consider doors hung in timber frames of the required density for each door core type. For other frame materials the relevant global assessment must be referred to.

Falcon Panel Products Ltd. – Strebord 35+, 38+, 44 & Superpan - 30 Minute Fire Resisting Doorsets

Global Assessment Report No. Chilt/A02066 Revision K

| Leaf Configurations | | ULSADD+OP & DADD+OP |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2100 x 915 |
| | To: | 2134 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals spaced 5mm apart and centrally fitted in the bottom of the overpanel (see assessment for rebated junction).</p> <p>Meeting Edges: 2No. 10x4mm seals spaced 10mm apart in one leaf edge (see assessment for rebated junction).</p> <p>Jambs: 1No. 15x4mm seal centrally fitted in the leaf/overpanel or frame.</p> |

| Leaf Configurations | | LSADD+OP |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2100 x 915 |
| | To: | 2134 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals spaced 5mm apart and centrally fitted in the bottom of the overpanel (see assessment for rebated junction).</p> <p>Meeting Edges: 2No. 10x4mm seals spaced 10mm apart in one leaf edge (see assessment for rebated junction).</p> <p>Jambs: 1No. 15x4mm seal centrally fitted in the leaf/overpanel or frame.</p> |

| Leaf Configurations | | ULSADD & DADD |
|--------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2440 x 1128 |
| | To: | 3009 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the leaf or frame head.</p> <p>Meeting Edges: 2No. 10x4mm seals spaced 10mm apart in one leaf edge.</p> <p>Jambs: 1No. 15x4mm seal centrally fitted in the leaf or frame (increase to 20x4mm seal above 2800mm in height and/or 1100mm in width, apart from meeting edges).</p> |

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| Leaf Configurations | | LSADD |
|--------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2440 x 1153 |
| | To: | 3059 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the leaf or frame head.</p> <p>Meeting Edges: 2No. 10x4mm seals spaced 10mm apart in one leaf edge.</p> <p>Jambs: 1No. 15x4mm seal centrally fitted in the leaf or frame (increase to 20x4mm seal above 2800mm in height and/or 1100mm in width, apart from meeting edges).</p> |

| Leaf Configurations | | ULSASD+OP & DASD+OP |
|--------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2100 x 915 |
| | To: | 2134 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals spaced 5mm apart and centrally fitted in the bottom of the overpanel (see assessment for rebated junction).</p> <p>Jambs: 1No. 15x4mm seal exposed and centrally fitted in the leaf/overpanel or frame.</p> |

| Leaf Configurations | | LSASD+OP |
|--------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2100 x 915 |
| | To: | 2134 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals spaced 5mm apart and centrally fitted in the bottom of the overpanel (see assessment for rebated junction).</p> <p>Jambs: 1No. 15x4mm seal exposed and centrally fitted in the leaf/overpanel or frame.</p> |

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 1178 |
| | To: | 3109 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 10x4mm seal centrally fitted in the leaf or frame head.</p> <p>Jambs: 1No. 10x4mm seal centrally fitted in the leaf or frame. (Increase to 15x4mm seal above 2040mm in height and/or 926mm in width and increase to 20x4mm seal above 2800mm in height and/or 1100mm in width).</p> |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 1203 |
| | To: | 3159 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 10x4mm seal centrally fitted in the leaf or frame head.</p> <p>Jambs: 1No. 10x4mm seal centrally fitted in the leaf or frame. (Increase to 15x4mm seal above 2090mm in height and/or 951mm in width and increase to 20x4mm seal above 2800mm in height and/or 1100mm in width).</p> |

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 1285 |
| | To: | 2929 x 932 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the leaf or frame head. Increase seal to 20x4mm on doorsets over 2300mm high.</p> <p>Jambs: 1No. 15x4mm seal centrally fitted in the leaf or frame. Increase seal to 20x4mm on doorsets over 1075mm wide.</p> |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 1310 |
| | To: | 2979 x 932 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the leaf or frame head. Increase seal to 20x4mm on doorsets over 2300mm high.</p> <p>Jambs: 1No. 15x4mm seal centrally fitted in the leaf or frame. Increase seal to 20x4mm on doorsets over 1075mm wide.</p> |

Falcon Panel Products Ltd. – Strebord 54 - 60 Minute Fire Resisting Doorsets

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| Leaf Configurations | | ULSADD & DADD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 1017 |
| | To: | 2330 x 932 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame.</p> <p>Meeting Edges: 2No. 15x4mm seals fitted 5mm each side of the centreline of one leaf only.</p> <p>Jambs: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame reveal.</p> |

| Leaf Configurations | | LSADD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 1042 |
| | To: | 2380 x 932 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame.</p> <p>Meeting Edges: 2No. 15x4mm seals fitted 5mm each side of the centreline of one leaf only.</p> <p>Jambs: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame reveal.</p> |

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2742 x 1021 |
| | To: | 3016 x 928 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame.</p> <p>Jambs: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame reveal.</p> |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2742 x 1046 |
| | To: | 3066 x 928 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame.</p> <p>Jambs: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame reveal.</p> |

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| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2454 x 1246 |
| | To: | 2478 x 1234 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame.</p> <p>Jambs: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame reveal.</p> |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2454 x 1271 |
| | To: | 2528 x 1234 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame.</p> <p>Jambs: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame reveal.</p> |

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2757 x 1060 |
| | To: | 3105 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals fitted 5mm each side of the centreline in the frame reveal, plus 1No. 15x4mm seal fitted centrally in the leaf edge.</p> <p>Jambs: 2No. 15x4mm seals fitted 5mm each side of the centreline in the frame reveal.</p> |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2757 x 1085 |
| | To: | 3155 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals fitted 5mm each side of the centreline in the frame reveal, plus 1No. 15x4mm seal fitted centrally in the leaf edge.</p> <p>Jambs: 2No. 15x4mm seals fitted 5mm each side of the centreline in the frame reveal.</p> |

| Leaf Configurations | | ULSADD & DADD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2757 x 1010 |
| | To: | 3005 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals fitted 5mm each side of the centreline in the frame reveal, plus 1No. 15x4mm seal fitted centrally in the leaf edge.</p> <p>Meeting Edges: 2No. 15x4mm seals fitted 5mm each side of the centreline of one leaf only.</p> <p>Jambs: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame reveal.</p> |

| Leaf Configurations | | LSADD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2757 x 1035 |
| | To: | 3055 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals fitted 5mm each side of the centreline in the frame reveal, plus 1No. 15x4mm seal fitted centrally in the leaf edge.</p> <p>Meeting Edges: 2No. 15x4mm seals fitted 5mm each side of the centreline of one leaf only.</p> <p>Jambs: 2No. 15x4mm seals fitted 5mm each side of the centreline in the leaf or frame reveal.</p> |

Falcon Panel Products Ltd. – Strebord 90 – 90 Minute Fire Resisting Doorsets

Global Assessment Report No. Chilt/A13182 Revision A

| Leaf Configurations | | ULSASD |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2140 x 966 |
| | To: | 2199 x 940 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the head of the leaf and 2No. 20x4mm seals fitted 10mm apart, with the 1st seal 7mm from the exposed face in the head of the frame reveal.</p> <p>Jambs: 1No. 15x4mm seal centrally fitted in the leaf jambs and 2No. 20x4mm seals fitted 10mm apart, with the 1st seal 7mm from the exposed face in the jambs of the frame reveal.</p> |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2200 x 1000 |
| | To: | 2249 x 940 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the head of the leaf and 2No. 20x4mm seals fitted 10mm apart, with the 1st seal 7mm from the exposed face in the head of the frame reveal.</p> <p>Jambs: 1No. 15x4mm seal centrally fitted in the leaf jambs and 2No. 20x4mm seals fitted 10mm apart, with the 1st seal 7mm from the exposed face in the jambs of the frame reveal.</p> |

Halspan Ltd. – 30 Prima - 30 Minute Fire Resisting Doorsets

Global Assessment Report No. FEA/F97174 Revision G

| Leaf Configurations | | ULSADD+OP & DADD+OP |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1052 |
| | To: | 2449 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the leaf or bottom of the overpanel (see assessment for rebated junction).</p> <p>Meeting Edges: 2No. 10x4mm seals spaced 5mm apart in one leaf only (see assessment for rebated junction).</p> <p>Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame. (Increase to 20x4mm seal above 2400mm in height).</p> |

| Leaf Configurations | | LSADD+OP |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1077 |
| | To: | 2499 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the leaf or bottom of the overpanel (see assessment for rebated junction).</p> <p>Meeting Edges: 2No. 10x4mm seals spaced 5mm apart in one leaf only (see assessment for rebated junction).</p> <p>Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame. (Increase to 20x4mm seal above 2400mm in height).</p> |

| Leaf Configurations | | ULSADD & DADD |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1102 |
| | To: | 2781 x 835 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 10x4mm seal centrally fitted in the leaf or frame head.</p> <p>Meeting Edges: 2No. 10x4mm seals spaced 5mm apart in one leaf only (see assessment for rebated junction).</p> <p>Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame. (Increase to 15x4mm seal above 2400mm in height and 30x4mm seal above 2700mm in height).</p> |

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| Leaf Configurations | | LSADD |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1127 |
| | To: | 2831 x 835 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 10x4mm seal centrally fitted in the leaf or frame head.</p> <p>Meeting Edges: 2No. 10x4mm seals spaced 5mm apart in one leaf only (see assessment for rebated junction).</p> <p>Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame. (Increase to 15x4mm seal above 2400mm in height and 30x4mm seal above 2700mm in height).</p> |

| Leaf Configurations | | ULSASD+OP & DASD+OP |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1152 |
| | To: | 2649 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the leaf or bottom of the overpanel (see assessment for rebated junction).</p> <p>Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame. (Increase to 20x4mm seal above 2400mm in height).</p> |

| Leaf Configurations | | LSASD+OP |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1177 |
| | To: | 2699 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the leaf or bottom of the overpanel (see assessment for rebated junction).</p> <p>Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame. (Increase to 20x4mm seal above 2400mm in height).</p> |

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1202 |
| | To: | 3186 x 836 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 10x4mm seal centrally fitted in the leaf or frame head.</p> <p>Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame. (Increase to 20x4mm seal above 2200mm in height and 25x4mm seal above 2800mm in height, and 15x4mm seal in the jambs above 950mm in width).</p> |

| Leaf Configurations | | LSASD |
|-----------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1277 |
| | To: | 3236 x 836 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 10x4mm seal centrally fitted in the leaf or frame head.</p> <p>Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame. (Increase to 20x4mm seal in head above 2200mm in height and 25x4mm seal in head above 2800mm in height, and 15x4mm seal in the jambs above 950mm in width).</p> |

Halspan Ltd. – 30 Prima Plus - 30 Minute Fire Resisting Doorsets

Global Assessment Report No. FEA/F97174 Revision G

| Leaf Configurations | | ULSADD & DADD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 900 |
| | To: | 2040 x 900 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in the leaf or frame head. Meeting Edges: 2No. 10x4mm seals spaced 10mm apart in one leaf only (see assessment for rebated junction). Jambs: 1No. 15x4mm seal fitted centrally in the leaf or frame. |

| Leaf Configurations | | LSADD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 925 |
| | To: | 2090 x 900 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in the leaf or frame head. Meeting Edges: 2No. 10x4mm seals spaced 10mm apart in one leaf only (see assessment for rebated junction). Jambs: 1No. 15x4mm seal fitted centrally in the leaf or frame. |

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 950 |
| | To: | 2140 x 900 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in the leaf or frame head. Jambs: 1No. 15x4mm seal fitted centrally in the leaf or frame. |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 975 |
| | To: | 2190 x 900 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in the leaf or frame head. Jambs: 1No. 15x4mm seal fitted centrally in the leaf or frame. |

The legal validity of this report can only be claimed on presentation of the complete report.

Halspan Ltd. – 60 Prima – 60 Minute Fire Resisting Doorsets

Global Assessment Report No. FEA/F96103 Revision L

| Leaf Configurations | | ULSADD+OP & DADD+OP |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2150 x 900 |
| | To: | 2700 x 825 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 38x4mm seal centrally fitted in the leaf or bottom of the overpanel (see assessment for rebated junction).</p> <p>Meeting Edges: 2No. 15x4mm seals centrally fitted 5mm apart in one leaf edge and 1No. 10x4mm seal fitted centrally in the opposite leaf edge.</p> <p>Jambs: 2No. 15x4mm seals centrally fitted 5mm apart in the leaf or frame.</p> |

| Leaf Configurations | | LSADD+OP |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2150 x 925 |
| | To: | 2750 x 825 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 38x4mm seal centrally fitted in the leaf or bottom of the overpanel (see assessment for rebated junction).</p> <p>Meeting Edges: 2No. 15x4mm seals centrally fitted 5mm apart in one leaf edge and 1No. 10x4mm seal fitted centrally in the opposite leaf edge.</p> <p>Jambs: 2No. 15x4mm seals centrally fitted 5mm apart in the leaf or frame.</p> |

| Leaf Configurations | | ULSADD & DADD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2150 x 950 |
| | To: | 2800 x 825 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals centrally fitted 5mm apart in the leaf or frame head.</p> <p>Meeting Edges: 2No. 15x4mm seals centrally fitted 5mm apart in one leaf only (see assessment for rebated junction).</p> <p>Jambs: 2No. 15x4mm seals centrally fitted 5mm apart in the leaf or frame.</p> |

The legal validity of this report can only be claimed on presentation of the complete report.

| Leaf Configurations | | LSADD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2150 x 975 |
| | To: | 2850 x 825 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals centrally fitted 5mm apart in the leaf or frame head.</p> <p>Meeting Edges: 2No. 15x4mm seals centrally fitted 5mm apart in one leaf only (see assessment for rebated junction).</p> <p>Jambs: 2No. 15x4mm seals centrally fitted 5mm apart in the leaf or frame.</p> |

| Leaf Configurations | | ULSASD+OP & DASD+OP |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1152 |
| | To: | 2900 x 825 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 38x4mm seal centrally fitted in the leaf or bottom of the overpanel (see assessment for rebated junction).</p> <p>Jambs: 2No. 15x4mm seals fitted centrally 5mm apart in the leaf or frame.</p> |

| Leaf Configurations | | LSASD+OP |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1177 |
| | To: | 2950 x 825 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 38x4mm seal centrally fitted in the leaf or bottom of the overpanel (see assessment for rebated junction).</p> <p>Jambs: 2No. 15x4mm seals fitted centrally 5mm apart in the leaf or frame.</p> |

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1202 |
| | To: | 3000 x 825 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals centrally fitted 5mm apart in the leaf or frame head.</p> <p>Jambs: 2No. 15x4mm seals fitted centrally 5mm apart in the leaf or frame.</p> |

| Leaf Configurations | | LSASD |
|-----------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2130 x 1227 |
| | To: | 3050 x 825 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals centrally fitted 5mm apart in the leaf or frame head.</p> <p>Jambs: 2No. 15x4mm seals fitted centrally 5mm apart in the leaf or frame.</p> |

Pacific Rim Wood Ltd. – Flamebreak 30 – 30 Minute Fire Resisting Doorsets

Global Assessment Report No. FEA/F98164 Revision K

| Leaf Configurations | | ULSASD & DASD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1042 |
| | To: | 2413 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in the leaf or frame reveal (increase to 20x4mm for leaves that use 9mm thick MDF facings). Jambs: 1No. 15x4mm seal fitted centrally in the leaf or frame reveal (increase to 20x4mm for leaves that use 9mm thick MDF facings). |

| Leaf Configurations | | LSASD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1067 |
| | To: | 2463 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in the leaf or frame reveal (increase to 20x4mm for leaves that use 9mm thick MDF facings). Jambs: 1No. 15x4mm seal fitted centrally in the leaf or frame reveal (increase to 20x4mm for leaves that use 9mm thick MDF facings). |

| Leaf Configurations | | ULSASD & DASD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1042 |
| | To: | 2413 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 20x4mm seal centrally fitted in the leaf or frame reveal. Jambs: 1No. 20x4mm seal fitted centrally in the leaf or frame reveal. |

| Leaf Configurations | | LSASD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1067 |
| | To: | 2463 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 20x4mm seal centrally fitted in the leaf or frame reveal. Jambs: 1No. 20x4mm seal fitted centrally in the leaf or frame reveal. |

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| Leaf Configurations | | ULSADD & DADD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1042 |
| | To: | 2413 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in each leaf edge or frame reveal. Jambs: 1No. 15x4mm seal fitted centrally in each leaf edge or frame reveal. Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only. |

| Leaf Configurations | | LSADD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1067 |
| | To: | 2463 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in each leaf edge or frame reveal. Jambs: 1No. 15x4mm seal fitted centrally in each leaf edge or frame reveal. Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only. |

| Leaf Configurations | | ULSASD & DASD (6mm MDF facing type) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 1032 |
| | To: | 2550 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 10x4mm seal centrally fitted in the leaf or frame reveal (increase to 15x4mm for leaves above 2300mm in height). Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame reveal (increase to 15x4mm for leaves above 2300mm in height). |

| Leaf Configurations | | LSASD (6mm MDF facing type) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 1057 |
| | To: | 2600 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 10x4mm seal centrally fitted in the leaf or frame reveal (increase to 15x4mm for leaves above 2300mm in height). Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame reveal (increase to 15x4mm for leaves above 2300mm in height). |

| Leaf Configurations | ULSASD & DASD (3.6mm Plywood facing type) |
|---------------------|-------------------------------------------|
|---------------------|-------------------------------------------|

| | | |
|-------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 894 |
| | To: | 2210 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 10x4mm seal centrally fitted in the leaf or frame reveal. Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame reveal. |

| | | |
|-------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Configurations | | LSASD (3.6mm Plywood facing type) |
| Leaf Sizes (mm) | From: | 2040 x 919 |
| | To: | 2260 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 10x4mm seal centrally fitted in the leaf or frame reveal. Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame reveal. |

| | | |
|-------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Configurations | | ULSASD & DASD (3.6mm Plywood, 6mm Plywood, 6mm MDF facing types) |
| Leaf Sizes (mm) | From: | 2400 x 1333 |
| | To: | 3140 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 10x4mm seals centrally fitted 10mm apart in the leaf or frame reveal. Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in the leaf or frame reveal. |

| | | |
|-------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Configurations | | LSASD (3.6mm Plywood, 6mm Plywood, 6mm MDF facing types) |
| Leaf Sizes (mm) | From: | 2400 x 1358 |
| | To: | 3190 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 10x4mm seals centrally fitted 10mm apart in the leaf or frame reveal. Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in the leaf or frame reveal. |

| Leaf Configurations | | ULSASD+OP & DASD+OP (3.6mm Plywood facing type) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1283 |
| | To: | 3040 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head-Square: 2No. 10x4mm seals centrally fitted 10mm apart in the leaf edge or bottom of the overpanel.</p> <p>Head-Rebated: 2No. 10x4mm seals with one strip centrally fitted on the top of the upstand of the rebate, and one centrally in the bottom of the rebate.</p> <p>Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in the leaf or frame reveal.</p> |

| Leaf Configurations | | LSASD+OP (3.6mm Plywood facing type) |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1308 |
| | To: | 3090 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head-Square: 2No. 10x4mm seals centrally fitted 10mm apart in the leaf edge or bottom of the overpanel.</p> <p>Head-Rebated: 2No. 10x4mm seals with one strip centrally fitted on the top of the upstand of the rebate, and one centrally in the bottom of the rebate</p> <p>Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in the leaf or frame reveal.</p> |

| Leaf Configurations | | ULSADD+OP & DADD+OP (3.6mm Plywood facing type) |
|--------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1183 |
| | To: | 2840 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head-Square: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or bottom of the overpanel.</p> <p>Head-Rebated: 2No. 10x4mm seals with one strip centrally fitted on the top of the upstand of the rebate, and one centrally in the bottom of the rebate.</p> <p>Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in each leaf edge or frame reveal.</p> <p>Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only.</p> |

| Leaf Configurations | | LSADD+OP (3.6mm Plywood facing type) |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1208 |
| | To: | 2890 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head-Square: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or bottom of the overpanel.</p> <p>Head-Rebated: 2No. 10x4mm seals with one strip centrally fitted on the top of the upstand of the rebate, and one centrally in the bottom of the rebate</p> <p>Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in each leaf edge or frame reveal.</p> <p>Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only.</p> |

| Leaf Configurations | | ULSADD & DADD (3.6mm Plywood, 6mm Plywood, 6mm MDF facing types) |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1233 |
| | To: | 2940 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or frame reveal.</p> <p>Jambs: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or frame reveal.</p> <p>Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only.</p> |

| Leaf Configurations | | LSADD (3.6mm Plywood, 6mm Plywood, 6mm MDF facing types) |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1258 |
| | To: | 2990 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or frame reveal.</p> <p>Jambs: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or frame reveal.</p> <p>Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only.</p> |

Pacific Rim Wood Ltd. – Flamebreak 60 – 60 Minute Fire Resisting Doorsets

Global Assessment Report No. FEA/F02141 Revision H

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 840 |
| | To: | 2074 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals centrally fitted and spaced 10mm apart in the frame reveal. Jambs: 2No. 15x4mm seals centrally fitted and spaced 10mm apart in the frame reveal. |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 865 |
| | To: | 2124 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals centrally fitted and spaced 10mm apart in the frame reveal. Jambs: 2No. 15x4mm seals centrally fitted and spaced 10mm apart in the frame reveal. |

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2156 x 994 |
| | To: | 2273 x 936 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal. Jambs: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal. |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2156 x 1019 |
| | To: | 2323 x 936 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal. Jambs: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal. |

| Leaf Configurations | | ULSADD & DADD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2156 x 944 |
| | To: | 2173 x 936 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal.</p> <p>Jambs: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal.</p> <p>Meeting Edges: 2No. 15x4mm seals centrally fitted 5mm apart in one leaf edge only.</p> |

| Leaf Configurations | | LSADD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2156 x 969 |
| | To: | 2223 x 936 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal.</p> <p>Jambs: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal.</p> <p>Meeting Edges: 2No. 15x4mm seals centrally fitted 5mm apart in one leaf edge only.</p> |

Pacific Rim Wood Ltd. – Safeguard 30 – 30 Minute Fire Resisting Doorsets

Global Assessment Report No. Chilt/A09243 Revision B

| Leaf Configurations | | ULSASD & DASD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1042 |
| | To: | 2413 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the leaf or frame reveal (increase to 20x4mm for leaves that use 9mm thick MDF facings).</p> <p>Jambs: 1No. 15x4mm seal fitted centrally in the leaf or frame reveal (increase to 20x4mm for leaves that use 9mm thick MDF facings).</p> |

| Leaf Configurations | | LSASD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1067 |
| | To: | 2463 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 15x4mm seal centrally fitted in the leaf or frame reveal (increase to 20x4mm for leaves that use 9mm thick MDF facings).</p> <p>Jambs: 1No. 15x4mm seal fitted centrally in the leaf or frame reveal (increase to 20x4mm for leaves that use 9mm thick MDF facings).</p> |

| Leaf Configurations | | ULSASD & DASD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1042 |
| | To: | 2413 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 20x4mm seal centrally fitted in the leaf or frame reveal.</p> <p>Jambs: 1No. 20x4mm seal fitted centrally in the leaf or frame reveal.</p> |

| Leaf Configurations | | LSASD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1067 |
| | To: | 2463 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 20x4mm seal centrally fitted in the leaf or frame reveal.</p> <p>Jambs: 1No. 20x4mm seal fitted centrally in the leaf or frame reveal.</p> |

The legal validity of this report can only be claimed on presentation of the complete report.

| Leaf Configurations | | ULSADD & DADD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1042 |
| | To: | 2413 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in each leaf edge or frame reveal. Jambs: 1No. 15x4mm seal fitted centrally in each leaf edge or frame reveal. Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only. |

| Leaf Configurations | | LSADD (all assessed facing types) |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2145 x 1067 |
| | To: | 2463 x 927 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in each leaf edge or frame reveal. Jambs: 1No. 15x4mm seal fitted centrally in each leaf edge or frame reveal. Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only. |

| Leaf Configurations | | ULSASD & DASD (6mm MDF facing type) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 1032 |
| | To: | 2550 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 10x4mm seal centrally fitted in the leaf or frame reveal (increase to 15x4mm for leaves above 2300mm in height). Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame reveal (increase to 15x4mm for leaves above 2300mm in height). |

| Leaf Configurations | | LSASD (6mm MDF facing type) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 1057 |
| | To: | 2600 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 10x4mm seal centrally fitted in the leaf or frame reveal (increase to 15x4mm for leaves above 2300mm in height). Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame reveal (increase to 15x4mm for leaves above 2300mm in height). |

| Leaf Configurations | ULSASD & DASD (3.6mm Plywood facing type) |
|---------------------|-------------------------------------------|
|---------------------|-------------------------------------------|

| | | |
|-------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 894 |
| | To: | 2210 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 10x4mm seal centrally fitted in the leaf or frame reveal. Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame reveal. |

| | | |
|-------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Configurations | | LSASD (3.6mm Plywood facing type) |
| Leaf Sizes (mm) | From: | 2040 x 919 |
| | To: | 2260 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 10x4mm seal centrally fitted in the leaf or frame reveal. Jambs: 1No. 10x4mm seal fitted centrally in the leaf or frame reveal. |

| | | |
|-------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Configurations | | ULSASD & DASD (3.6mm Plywood, 6mm Plywood, 6mm MDF facing types) |
| Leaf Sizes (mm) | From: | 2400 x 1333 |
| | To: | 3140 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 10x4mm seals centrally fitted 10mm apart in the leaf or frame reveal. Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in the leaf or frame reveal. |

| | | |
|-------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Configurations | | LSASD (3.6mm Plywood, 6mm Plywood, 6mm MDF facing types) |
| Leaf Sizes (mm) | From: | 2400 x 1358 |
| | To: | 3190 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 10x4mm seals centrally fitted 10mm apart in the leaf or frame reveal. Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in the leaf or frame reveal. |

| Leaf Configurations | | ULSASD+OP & DASD+OP (3.6mm Plywood facing type) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1283 |
| | To: | 3040 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head-Square: 2No. 10x4mm seals centrally fitted 10mm apart in the leaf edge or bottom of the overpanel.</p> <p>Head-Rebated: 2No. 10x4mm seals with one strip centrally fitted on the top of the upstand of the rebate, and one centrally in the bottom of the rebate.</p> <p>Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in the leaf or frame reveal.</p> |

| Leaf Configurations | | LSASD+OP (3.6mm Plywood facing type) |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1308 |
| | To: | 3090 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head-Square: 2No. 10x4mm seals centrally fitted 10mm apart in the leaf edge or bottom of the overpanel.</p> <p>Head-Rebated: 2No. 10x4mm seals with one strip centrally fitted on the top of the upstand of the rebate, and one centrally in the bottom of the rebate</p> <p>Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in the leaf or frame reveal.</p> |

| Leaf Configurations | | ULSADD+OP & DADD+OP (3.6mm Plywood facing type) |
|--------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1183 |
| | To: | 2840 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head-Square: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or bottom of the overpanel.</p> <p>Head-Rebated: 2No. 10x4mm seals with one strip centrally fitted on the top of the upstand of the rebate, and one centrally in the bottom of the rebate.</p> <p>Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in each leaf edge or frame reveal.</p> <p>Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only.</p> |

| Leaf Configurations | | LSADD+OP (3.6mm Plywood facing type) |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1208 |
| | To: | 2890 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head-Square: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or bottom of the overpanel.</p> <p>Head-Rebated: 2No. 10x4mm seals with one strip centrally fitted on the top of the upstand of the rebate, and one centrally in the bottom of the rebate</p> <p>Jambs: 2No. 10x4mm seals fitted centrally 10mm apart in each leaf edge or frame reveal.</p> <p>Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only.</p> |

| Leaf Configurations | | ULSADD & DADD (3.6mm Plywood, 6mm Plywood, 6mm MDF facing types) |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1233 |
| | To: | 2940 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or frame reveal.</p> <p>Jambs: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or frame reveal.</p> <p>Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only.</p> |

| Leaf Configurations | | LSADD (3.6mm Plywood, 6mm Plywood, 6mm MDF facing types) |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2400 x 1258 |
| | To: | 2990 x 1000 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or frame reveal.</p> <p>Jambs: 2No. 10x4mm seals centrally fitted 10mm apart in each leaf edge or frame reveal.</p> <p>Meeting Edges: 2No. 10x4mm seals centrally fitted 10mm apart in one leaf edge only.</p> |

Pacific Rim Wood Ltd. – Safeguard 60 – 60 Minute Fire Resisting Doorsets

Global Assessment Report No. Chilt/A09244 Revision B

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 840 |
| | To: | 2074 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals centrally fitted and spaced 10mm apart in the frame reveal. Jambs: 2No. 15x4mm seals centrally fitted and spaced 10mm apart in the frame reveal. |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2040 x 865 |
| | To: | 2124 x 826 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals centrally fitted and spaced 10mm apart in the frame reveal. Jambs: 2No. 15x4mm seals centrally fitted and spaced 10mm apart in the frame reveal. |

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2156 x 994 |
| | To: | 2273 x 936 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal. Jambs: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal. |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2156 x 1019 |
| | To: | 2323 x 936 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal. Jambs: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal. |

| Leaf Configurations | | ULSADD & DADD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2156 x 944 |
| | To: | 2173 x 936 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal.</p> <p>Jambs: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal.</p> <p>Meeting Edges: 2No. 15x4mm seals centrally fitted 5mm apart in one leaf edge only.</p> |

| Leaf Configurations | | LSADD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2156 x 969 |
| | To: | 2223 x 936 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal.</p> <p>Jambs: 2No. 15x4mm seals centrally fitted and spaced 5mm apart in the frame reveal.</p> <p>Meeting Edges: 2No. 15x4mm seals centrally fitted 5mm apart in one leaf edge only.</p> |

Blankfort Inc. – Blankfort 30 & 30+ - 30 Minute Fire Resisting Doorsets

Global Assessment Report No. Chilt/A12151 Revision A

| Leaf Configurations | | ULSADD & DADD |
|--------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 1038 |
| | To: | 2490 x 890 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in the leaf heads or frame reveal. Meeting Edges: 1No. 15x4mm seal centrally fitted in one leaf edge only. Jambs: 1No. 15x4mm seal centrally fitted in the leaf edge or frame reveal. |

| Leaf Configurations | | LSADD |
|--------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 1063 |
| | To: | 2540 x 890 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in the leaf heads or frame reveal. Meeting Edges: 1No. 15x4mm seal centrally fitted in one leaf edge only. Jambs: 1No. 15x4mm seal centrally fitted in the leaf edge or frame reveal. |

| Leaf Configurations | | ULSASD & DASD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 1088 |
| | To: | 2590 x 890 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in the leaf head or frame reveal. For leaves over 2440mm high, increase seal specification to 20x4mm. Jambs: 1No. 15x4mm seal centrally fitted in the leaf edge or frame reveal. |

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 1113 |
| | To: | 2640 x 890 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 15x4mm seal centrally fitted in the leaf head or frame reveal. For leaves over 2440mm high, increase seal specification to 20x4mm. Jambs: 1No. 15x4mm seal centrally fitted in the leaf edge or frame reveal. |

The legal validity of this report can only be claimed on presentation of the complete report.

Blankfort Inc. – Blankfort 60 & 60+ - 60 Minute Fire Resisting Doorsets

Global Assessment Report No. Chilt/A12152 Revision A

| Leaf Configurations | | ULSADD & DADD (Blankfort 60 - Chipboard facing type) |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2138 x 946 |
| | To: | 2209 x 916 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 38x4mm seal centrally fitted in the leaf heads or frame reveal.</p> <p>Meeting Edges: 2No. 15x4mm seals spaced 5mm each side of the centreline in one leaf edge only.</p> <p>Jambs: 1No. 38x4mm seal centrally fitted in the leaf edges or frame reveal.</p> |

| Leaf Configurations | | LSADD (Blankfort 60 - Chipboard facing type) |
|--------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2138 x 971 |
| | To: | 2259 x 916 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 38x4mm seal centrally fitted in the leaf heads or frame reveal.</p> <p>Meeting Edges: 2No. 15x4mm seals spaced 5mm each side of the centreline in one leaf edge only.</p> <p>Jambs: 1No. 38x4mm seal centrally fitted in the leaf edges or frame reveal.</p> |

| Leaf Configurations | | ULSASD & DASD (Blankfort 60 - Chipboard facing type) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2440 x 945 |
| | To: | 2521 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 38x4mm seal centrally fitted in the leaf head or frame reveal.</p> <p>Jambs: 2No. 15x4mm seals spaced 5mm each side of the centreline in the leaf edge or frame reveal.</p> |

| Leaf Configurations | | LSASD (Blankfort 60 - Chipboard facing type) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2440 x 970 |
| | To: | 2571 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 38x4mm seal centrally fitted in the leaf head or frame reveal.</p> <p>Jambs: 2No. 15x4mm seals spaced 5mm each side of the centreline in the leaf edge or frame reveal.</p> |

The legal validity of this report can only be claimed on presentation of the complete report.

| Leaf Configurations | | ULSASD & DASD (Blankfort 60 - Reduced intumescent) |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 915 |
| | To: | 2135 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 25x4mm seal centrally fitted in the leaf head or frame reveal, or 2No. 15x4mm seals may be fitted 5mm each side of the centreline.</p> <p>Jambs: 1No. 25x4mm seal centrally fitted in the leaf edge or frame reveal, or 2No. 15x4mm seals may be fitted 5mm each side of the centreline in the leaf edge or frame reveal.</p> |

| Leaf Configurations | | LSASD (Blankfort 60 - Reduced intumescent) |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 915 |
| | To: | 2135 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 25x4mm seal centrally fitted in the leaf head or frame reveal, or 2No. 15x4mm seals may be fitted 5mm each side of the centreline.</p> <p>Jambs: 1No. 25x4mm seal centrally fitted in the leaf edge or frame reveal, or 2No. 15x4mm seals may be fitted 5mm each side of the centreline in the leaf edge or frame reveal.</p> |

| Leaf Configurations | | ULSASD & DASD (Blankfort 60 (Chipboard facing type) & Blankfort 60+ - Extended width) |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2151 x 962 |
| | To: | 2240 x 924 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 20x4mm seals spaced 4mm either side of the centreline fitted in the leaf head or frame reveal.</p> <p>Jambs: 2No. 20x4mm seals spaced 4mm either side of the centreline fitted in the leaf edge or frame reveal.</p> |

| Leaf Configurations | | LSASD (Blankfort 60 (Chipboard facing type) & Blankfort 60+ - Extended width) |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2151 x 987 |
| | To: | 2290 x 924 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 2No. 20x4mm seals spaced 4mm either side of the centreline fitted in the leaf head or frame reveal.</p> <p>Jambs: 2No. 20x4mm seals spaced 4mm either side of the centreline fitted in the leaf edge or frame reveal.</p> |

| Leaf Configurations | | ULSASD & DASD (Blankfort 60 (Chipboard facing type) & Blankfort 60+ - Extended height) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2443 x 946 |
| | To: | 2504 x 923 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 20x4mm seals spaced 4mm either side of the centreline fitted in the leaf head or frame reveal. Jambs: 2No. 20x4mm seals spaced 4mm either side of the centreline fitted in the leaf edge or frame reveal. |

| Leaf Configurations | | LSASD (Blankfort 60 (Chipboard facing type) & Blankfort 60+ - Extended height) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2443 x 971 |
| | To: | 2554 x 923 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 20x4mm seals spaced 4mm either side of the centreline fitted in the leaf head or frame reveal. Jambs: 2No. 20x4mm seals spaced 4mm either side of the centreline fitted in the leaf edge or frame reveal. |

| Leaf Configurations | | ULSASD & DASD (Blankfort 60 – MDF facing type) |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 945 |
| | To: | 2205 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 38x4mm seal centrally fitted in the leaf head or frame reveal. Jambs: 1No. 38x4mm seal centrally fitted in the leaf edge or frame reveal. |

| Leaf Configurations | | LSASD (Blankfort 60 – MDF facing type) |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 970 |
| | To: | 2225 x 915 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 1No. 38x4mm seal centrally fitted in the leaf head or frame reveal. Jambs: 1No. 38x4mm seal centrally fitted in the leaf edge or frame reveal. |

| Leaf Configurations | | ULSASD & DASD (Blankfort 60 & Blankfort 60+) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 977 |
| | To: | 2324 x 890 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals spaced 5mm either side of the centreline fitted in the leaf head or frame reveal. Jambs: 2No. 15x4mm seals spaced 5mm either side of the centreline fitted in the leaf edge or frame reveal. |

| Leaf Configurations | | LSASD (Blankfort 60 & Blankfort 60+) |
|--------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 1002 |
| | To: | 2374 x 890 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals spaced 5mm either side of the centreline fitted in the leaf head or frame reveal. Jambs: 2No. 15x4mm seals spaced 5mm either side of the centreline fitted in the leaf edge or frame reveal. |

| Leaf Configurations | | ULSADD & DADD (Blankfort 60 & Blankfort 60+) |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 927 |
| | To: | 2224 x 890 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals spaced 5mm either side of the centreline fitted in the leaf heads or frame reveal. Meeting Edges: 2No. 15x4mm seals spaced 5mm each side of the centreline in one leaf edge only. Jambs: 2No. 15x4mm seals spaced 5mm either side of the centreline fitted in the leaf edges or frame reveal. |

| Leaf Configurations | | LSADD (Blankfort 60 & Blankfort 60+) |
|--------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 952 |
| | To: | 2274 x 890 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | Head: 2No. 15x4mm seals spaced 5mm either side of the centreline fitted in the leaf heads or frame reveal. Meeting Edges: 2No. 15x4mm seals spaced 5mm each side of the centreline in one leaf edge only. Jambs: 2No. 15x4mm seals spaced 5mm either side of the centreline fitted in the leaf edges or frame reveal. |

Egger (UK) Ltd. – Eurospan 30 – 30 Minute Fire Resisting Doorsets

Global Assessment Report No. Chilt/A09077 Revision A

| Leaf Configurations | | LSASD |
|--------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Leaf Sizes (mm) | From: | 2135 x 1122 |
| | To: | 2562 x 935 |
| Scope based upon the use & installation of Pyroplex Ltd. intumescent door edge seals | | <p>Head: 1No. 10x4mm seal centrally fitted in the leaf head or frame reveal. For door leaves over 2300mm high, increase intumescent specification to a 20x4mm seal.</p> <p>Jambs & Overpanel: 1No. 10x4mm seal centrally fitted in the leaf edge or frame reveal.</p> |

5 Fire Resistant Glazing Systems

The following tables summarise the scope of coverage for each of the Pyroplex glazing systems in terms of aperture size only. Restrictions to aperture size will apply depending on the glass type used; for these restrictions the relevant global assessment must be referred to. The Pyroplex glazing systems not covered for a particular door design can be considered for inclusion upon the next revalidation of the associated global assessment.

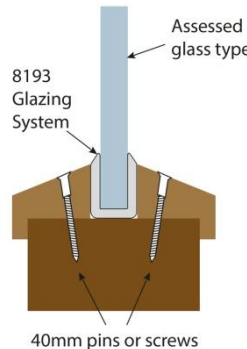
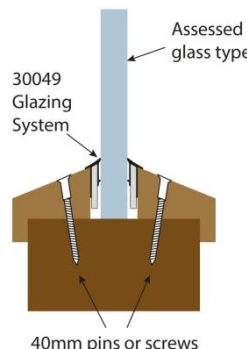
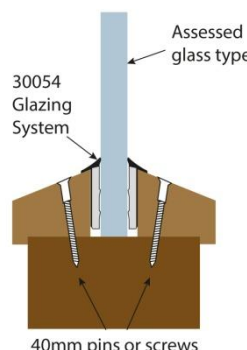
5.1 Proprietary Glass Types

The assessed proprietary glass types for inclusion with the Pyroplex glazing products are:

| Glass Types | Manufacturer | Thickness (mm) |
|-----------------------|-----------------------------|----------------|
| 1. Pyroshield | Pilkington Group Ltd. | 6 & 7 |
| 2. Pyroshield 2 | Pilkington Group Ltd. | 6 & 7 |
| 3. Pyran S | Schott UK Ltd. | 6 |
| 4. Firelite | Southern Ceramic Supplies | 6 |
| 5. Pyrostem | CGI Ltd. | 6 |
| 6. Pyroguard EW30 | CGI Ltd. | 7 |
| 7. Pyrobelite 7 | AGC Flat Glass UK | 7 |
| 8. Pyrodur 30-104 | Pilkington Group Ltd. | 7 |
| 9. Pyrodur 60-10 | Pilkington Group Ltd. | 10 |
| 10. Pyroguard EW MAXI | CGI Ltd. | 11 |
| 11. Pyranova 15-S2.0 | Schott UK Ltd. | 11 |
| 12. Pyrobelite 12 | AGC Flat Glass UK | 12 |
| 13. Contraflam | Vetrotech Saint Gobain Ltd. | 14 |
| 14. Pyroguard EI30 | CGI Ltd. | 15 |
| 15. Pyrostop 30-10 | Pilkington Group Ltd. | 15 |
| 16. Pyrobel 16 | AGC Flat Glass UK | 16 |

5.2 Proprietary Fire Resisting Door Cores

Falcon Panel Products Ltd. - Strebord 35+, 38+, 44 & Superpan

| Pyroplex Glazing System | Maximum Aperture Size (m ²) | Diagram |
|-----------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------|
| Ref. 8193 - 30 Minute Fire Rated U Channel | 1.33* |  |
| Ref. 30049 - 30 Minute Fire Rated Glazing System | 1.33* |  |
| Ref. 30054 - 30 Minute Fire Rated Glazing System | 0.72* |  |

* Glass type specific; see door manufacturer's assessment.

Falcon Panel Products Ltd. – Strebord 54

| Pyroplex Glazing System | Maximum Aperture Size (m ²) | Diagram |
|--------------------------------------------------------|-----------------------------------------|---------|
| Ref. FG60 - 60 Minute Fire Rated Glazing System | 0.25* | |

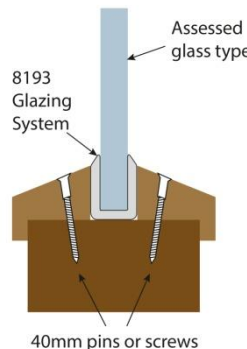
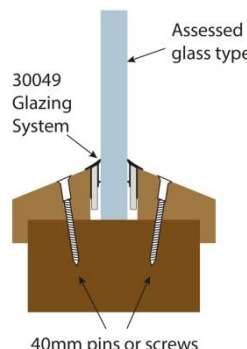
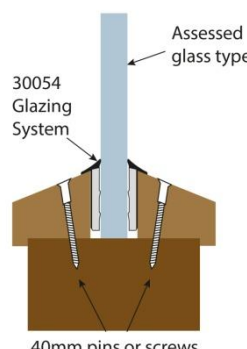
* Glass type specific; see door manufacturer's assessment.

Halspan Ltd. – Prima 30 & 30 Plus

| Pyroplex Glazing System | Maximum Aperture Size (m ²) | Diagram |
|---------------------------------------------------------|-----------------------------------------|---------|
| Ref. 8193 - 30 Minute Fire Rated U Channel | 1.25* | |
| Ref. 30049 – 30 Minute Fire Rated Glazing System | 1.25* | |

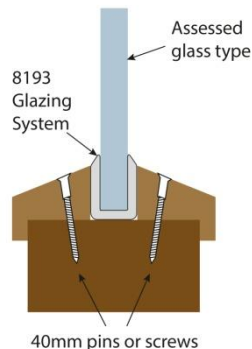
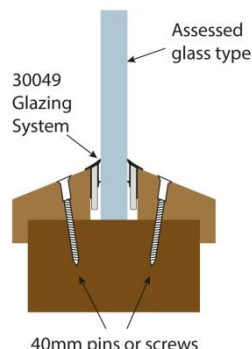
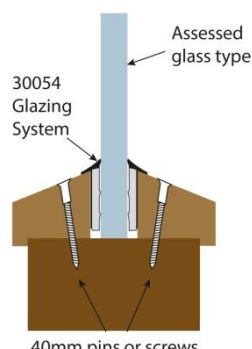
* Glass type specific; see door manufacturer's assessment.

Pacific Rim Wood Ltd. – Flamebreak 30

| Pyroplex Glazing System | Maximum Aperture Size (m ²) | Diagram |
|-----------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------|
| Ref. 8193 - 30 Minute Fire Rated U Channel | 0.72* |  |
| Ref. 30049 - 30 Minute Fire Rated Glazing System | 0.72* |  |
| Ref. 30054 - 30 Minute Fire Rated Glazing System | 0.72* |  |

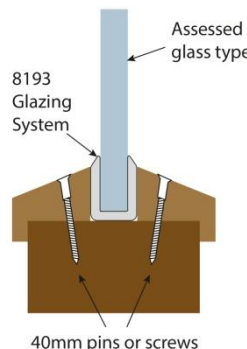
* Glass type specific; see door manufacturer's assessment.

Pacific Rim Wood Ltd. – Safeguard 30

| Pyroplex Glazing System | Maximum Aperture Size (m ²) | Diagram |
|-----------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ref. 8193 - 30 Minute Fire Rated U Channel | 0.72* |  <p>8193 Glazing System</p> <p>Assessed glass type</p> <p>40mm pins or screws</p> |
| Ref. 30049 - 30 Minute Fire Rated Glazing System | 0.72* |  <p>30049 Glazing System</p> <p>Assessed glass type</p> <p>40mm pins or screws</p> |
| Ref. 30054 - 30 Minute Fire Rated Glazing System | 0.72* |  <p>30054 Glazing System</p> <p>Assessed glass type</p> <p>40mm pins or screws</p> |

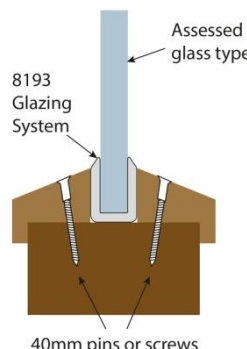
* Glass type specific; see door manufacturer's assessment.

Blankfort Inc. – Blankfort 30 & 30+

| Pyroplex Glazing System | Maximum Aperture Size (m ²) | Diagram |
|--------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|
| Ref. 8193 - 30 Minute Fire Rated U Channel | 1.32* |  |

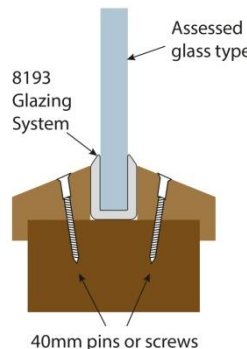
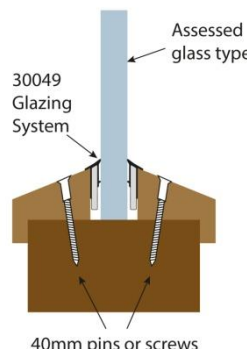
* Glass type specific; see door manufacturer's assessment.

Egger (UK) Ltd. - Eurospan 30

| Pyroplex Glazing System | Maximum Aperture Size (m ²) | Diagram |
|--------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------|
| Ref. 8193 - 30 Minute Fire Rated U Channel | 1.29* |  |

* Glass type specific; see door manufacturer's assessment.

Moralt AG – FireSafe 30 & FireSmoke 30

| Pyroplex Glazing System | Maximum Aperture Size (m ²) | Diagram |
|-----------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------|
| Ref. 8193 - 30 Minute Fire Rated U Channel | 0.72* |  |
| Ref. 30049 - 30 Minute Fire Rated Glazing System | 0.72* |  |

* Glass type specific; see door manufacturer's assessment.

5.3 Assessed Fire Resisting Door Cores

It has been proposed to assess the use of the Pyroplex glazing systems with the following generic timber based fire resisting doorset designs.

The report will only consider the installation, glass type and aperture size for each glazing system based on test evidence generated by Pyroplex. The fire resisting door must have been previously tested with glazing at a UKAS accredited laboratory or assessed for use with glazing by BM TRADA. The installation method, glass type and aperture size must be supported by the relevant test/assessment documentation for the door design. The aperture size must not exceed that stated herein.

For all other details, the full construction requirements in the relevant manufacturer's test evidence or global assessment must be complied with.

The following timber based door types can be considered for use with the Pyroplex glazing systems subject to the above provisos:

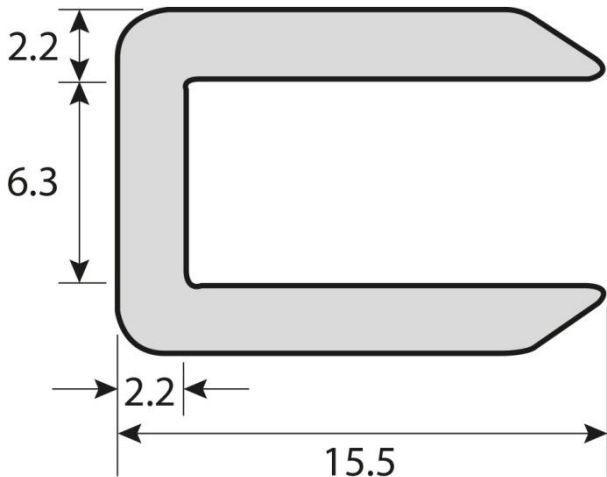
1. Graduated density chipboard and three layered particleboard door blanks.
2. Softwood or hardwood laminated door constructions with tested or assessed cellulosic facings.
3. Stile and rail constructions with flax, chipboard or timber based cores.
4. Stile and rail constructions with non-combustible sub-facings.
5. Traditional timber joinery.

Based on the cited test evidence in appendix D, the glass types listed in section 5.1 can be considered for use with the Pyroplex glazing systems, subject to the above provisos.

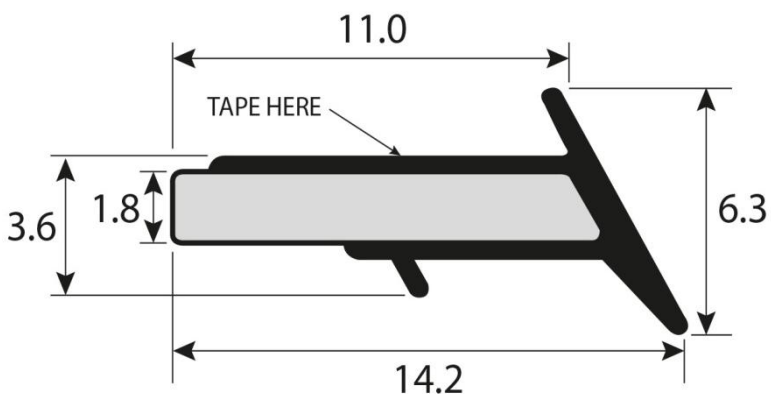
5.4 Pyroplex Glazing Systems Data Sheets

The following tables summarise the scope of coverage for each of the Pyroplex glazing systems for timber based door designs not specifically mentioned in the table in section 3. The glazing systems have been successfully subjected to testing for 30 or 60 minutes fire resistance to either BS 476: Part 20: 1987 or BS 476: Part 22: 1987 and are approved for use with different types of timber door construction, subject to the provisos contained in section 5.3 of this report.

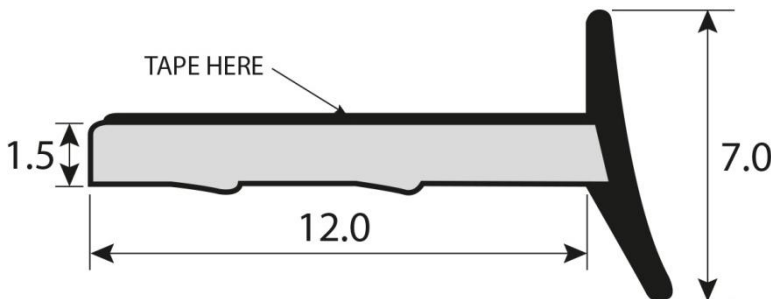
5.4.1 Pyroplex Glazing Channel 8193

| Element | | Specification |
|----------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Glazing channel: | | 8193 |
| Fire rating: | | 30 minutes |
| System profile: | |  |
| Permitted glass types (see table in section 5.1): | | 1 - 8 |
| Maximum permitted aperture size (m ²): | | 0.23 |
| Bead material: | | Hardwood (min. density 640kg/m ³) |
| Aperture liner: | | Min. 6mm (t) hardwood (640kg/m ³) or 10mm (t) softwood (510kg/m ³) required for flax/particle board core doorsets <500kg/m ³ . Liner to be fixed using 20mm long staples at 150mm centres or by x-linked PVA or PU type adhesive. |
| Bead fixings: | | 40mm long No. 6 - 8 steel screws or 50mm long x 1.8mm diameter steel pins located at minimum 150mm centres and 50mm from each corner. Fixings must be inserted at 35 - 40° to the vertical and located to 'cradle' the glazing gasket. |
| Minimum required bead profile: | Chamfered (glass types 1 - 8): | 20mm (h) x 22mm (w) including a 5mm x 5mm bolection return. Bead to be chamfered 10 - 15°. |
| | Square (glass types 6 - 8): | 15mm (h) x width to suit bead profile (see section 5.5). |
| Additional information: | | See section 5.5 |

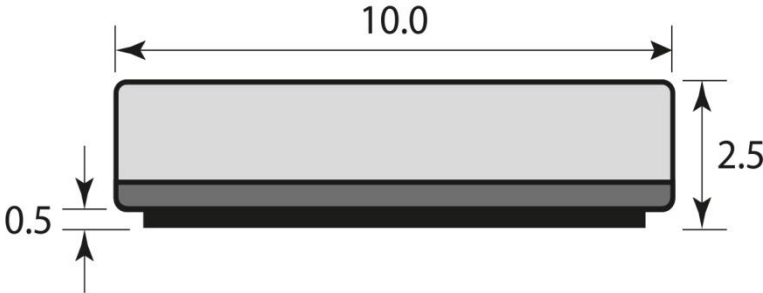
5.4.2 Pyroplex Glazing System 30049

| Element | | Specification |
|----------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Glazing system: | | 30049 |
| Fire rating: | | 30 minutes |
| System profile: | |  |
| Permitted glass types (see table in section 5.1): | | 1 - 16 |
| Maximum permitted aperture size (m ²): | | 0.68 |
| Bead material: | | Hardwood (min. density 640kg/m ³) |
| Aperture liner: | | Min. 6mm (t) hardwood (640kg/m ³) or 10mm (t) softwood (510kg/m ³) required for flax/particle board core doorsets <500kg/m ³ . Liner to be fixed using 20mm long staples at 150mm centres or by x-linked PVA or PU type adhesive. |
| Bead fixings: | | 40mm long No. 6 - 8 steel screws or 50mm long x 1.8mm diameter steel pins located at minimum 150mm centres and 50mm from each corner. Fixings must be inserted at 35 - 40° to the vertical and located to 'cradle' the glazing gasket. |
| Minimum required bead profile: | Chamfered (glass types 1 - 16): | 20mm (h) x width to suit the glass thickness including a 5mm x 5mm bolection return. Bead to be chamfered 10 - 15°. |
| | Square (glass types 6 - 16): | 15mm (h) x width to glass thickness (see section 5.5). |
| Additional information: | | See section 5.5 |

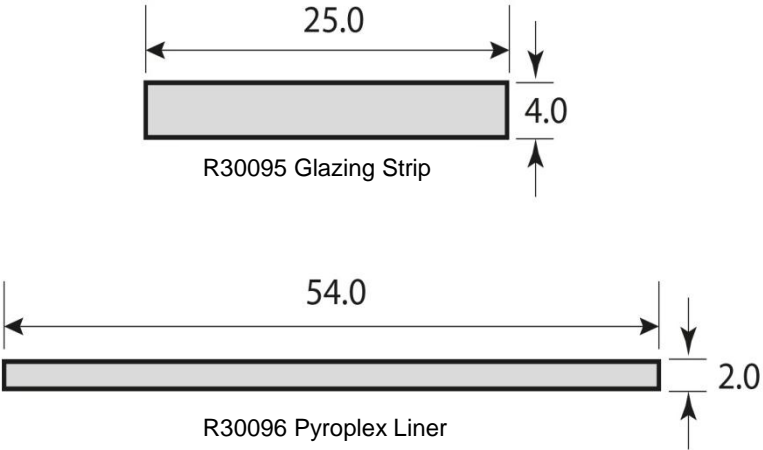
5.4.3 Pyroplex Glazing System 30054

| Element | | Specification |
|----------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Glazing system: | | 30054 |
| Fire rating: | | 30 minutes |
| System profile: | |  |
| Permitted glass types (see table in section 5.1): | | 1-16 |
| Maximum permitted aperture size (m ²): | | 0.36 |
| Bead material: | | Hardwood (min. density 640kg/m ³) |
| Aperture liner: | | Min. 6mm (t) hardwood (640kg/m ³) or 10mm (t) softwood (510kg/m ³) required for flax/particle board core doorsets <500kg/m ³ . Liner to be fixed using 20mm long staples at 150mm centres or by x-linked PVA or PU type adhesive. |
| Bead fixings: | | 40mm long No. 6 - 8 steel screws or 50mm long x 1.8mm diameter steel pins located at minimum 150mm centres and 50mm from each corner. Fixings must be inserted at 35 - 40° to the vertical and located to 'cradle' the glazing gasket. |
| Minimum required bead profile: | Chamfered (glass types 1 - 16): | 20mm (h) x width to suit glass thickness including a 5mm x 5mm bolection return. Bead to be chamfered 10 - 15°. |
| | Square (glass types 6 - 16): | 15mm (h) x width to suit bead profile (see section 5.5). |
| Additional information: | | See section 5.5 |

5.4.4 Pyroplex Glazing System 8492

| Element | | Specification |
|----------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Glazing system: | | 8492 |
| Fire rating: | | 30 minutes |
| System profile: | |  |
| Permitted glass types (see table in section 5.1): | | 1-16 |
| Maximum permitted aperture size (m ²): | | 0.24 |
| Bead material: | | Hardwood (min. density 640kg/m ³) |
| Aperture liner: | | Min. 6mm (t) hardwood (640kg/m ³) or 10mm (t) softwood (510kg/m ³) required for flax/particle board core doorsets <500kg/m ³ . Liner to be fixed using 20mm long staples at 150mm centres or by x-linked PVA or PU type adhesive. |
| Bead fixings: | | 45mm long No. 6 - 8 steel screws or 50mm long x 1.8mm diameter steel pins located at minimum 150mm centres and 50mm from each corner. Fixings must be inserted at 35 - 40° to the vertical and located to 'cradle' the glazing gasket. |
| Minimum required bead profile: | Chamfered (glass types 1 - 16): | 20mm (h) x width to suit glass thickness including a 5mm x 5mm bolection return. Bead to be chamfered 10 - 15°. |
| | Square (glass types 6 - 16): | 15mm (h) x width to suit bead profile (see section 5.5). |
| Additional information: | | See section 5.5 |

5.4.5 Pyroplex Glazing System FG60

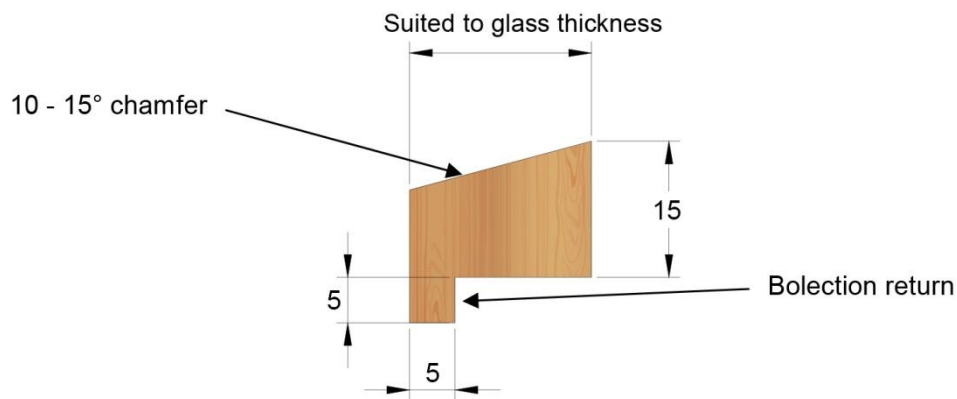
| Element | | Specification |
|----------------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Glazing system: | | FG60 |
| Fire rating | | 60 minutes |
| System profile: | |  <p>R30095 Glazing Strip</p> <p>R30096 Pyroplex Liner</p> |
| Permitted glass types (see table in section 5.1): | | 1 - 16 |
| Maximum permitted aperture size (m ²): | | 0.64 |
| Bead material: | | Hardwood (min. density 640kg/m ³) |
| Aperture liner: | | 8mm thick hardwood liner (optional) |
| Bead fixings: | | 70mm long No. 6 - 8 steel screws or 70mm long x 1.8mm diameter steel pins located at minimum 150mm centres and 50mm from each corner. Fixings must be inserted at 30 - 45° to the vertical and located to 'cradle' the glazing gasket. |
| Minimum required bead profile: | Chamfered (glass types 1 - 16): | 30mm (h) x width to suit glass thickness including a 5mm x 5mm bolection return. Bead to be chamfered 19°. |
| | Square: | Not permitted |
| Additional information: | | See section 5.5 |

5.5 Additional Information

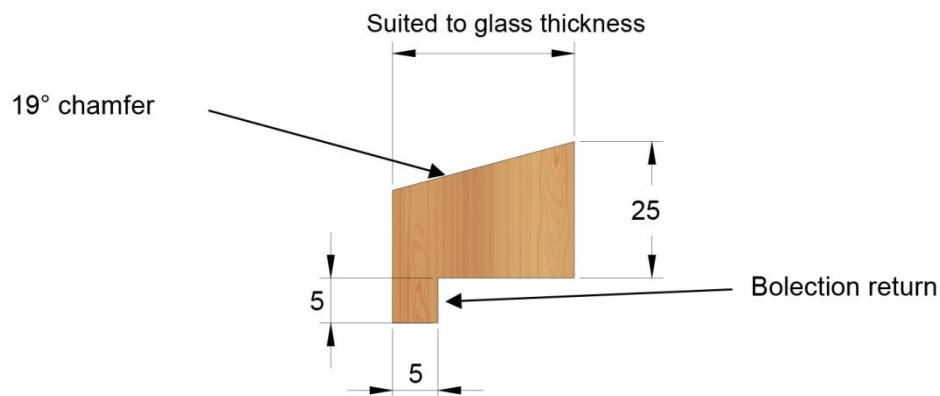
In addition to the provisos contained in section 5.3, the following points must be considered when glazing fire resisting doors using one of the Pyroplex glazing systems listed above:

1. All glass types must be fitted fully in accordance with the manufacturers' tested details/installation requirements, particularly with respect to edge cover and expansion tolerances.
2. Pneumatically fired pins are acceptable providing the pins meet the specification given in the tables above.
3. Timber for glazing beads must be straight grained joinery quality, free from knots, splits and checks.

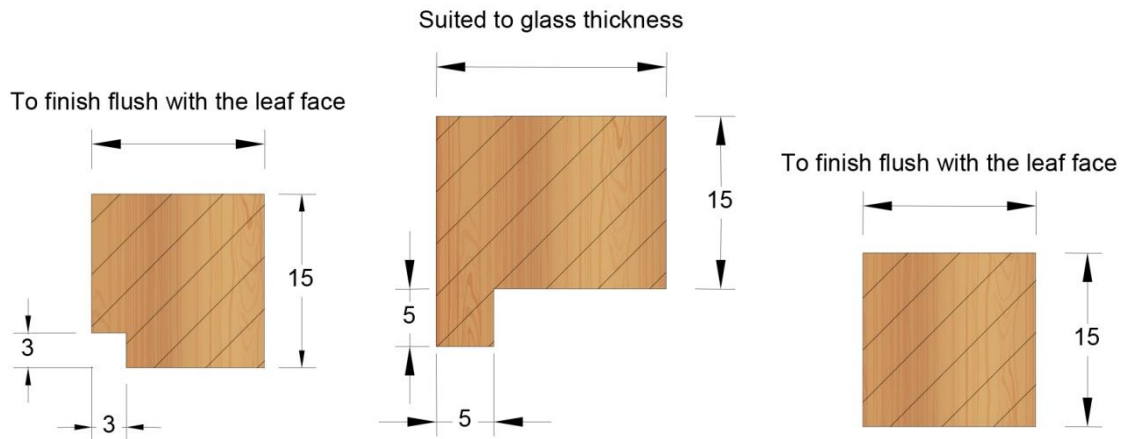
The following diagram gives the basic minimum dimensions and profile for chamfered glazing beads for 30 minute fire resisting applications:



The following diagram gives the basic minimum dimensions and profile for chamfered glazing beads for 60 minute fire resisting applications:



The following diagram gives the basic minimum dimensions and profile for square glazing beads (approved for 30 minutes fire resistance only):



6 Air Transfer Grilles

6.1 30 Minutes Fire Resistance

The following Pyroplex air transfer grilles have been assessed as acceptable for use with the 30 minute fire resisting doorsets referenced in this document based on the data contained in test report WF146520.

The grilles must be fitted 100mm from the edge of the door leaf and 80mm apart if more than one grille is to be fitted. The area occupied by the air transfer grille(s) must be deducted from the percentage of glazing, if both elements are fitted. The grilles may be fitted up to a maximum height of 2200mm from the threshold.

| Part No. | Dimensions (mm) | Air Flow (sq. cm) | Compatible Faceplates |
|----------|-----------------|-------------------|-----------------------|
| ATG 1500 | 150 x 150 x 40 | 153 | FP1500 |
| ATG 1503 | 150 x 300 x 40 | 307 | FP1503 |
| ATG 1300 | 300 x 300 x 40 | 614 | FP1300 |
| ATG 2251 | 112 x 225 x 40 | 161 | FP2251 |
| ATG 2250 | 225 x 225 x 40 | 323 | FP2250 |

The Pyroplex air transfer grilles must be installed in accordance with the manufacturer's installation details, which include a 6mm thick hardwood aperture liner and Pyroplex intumescent mastic applied around the perimeter of the grille. Full details can be obtained from Pyroplex Ltd.

6.2 60 Minutes Fire Resistance

The following Pyroplex air transfer grilles have been assessed as acceptable for use with the 60 minute fire resisting doorsets referenced in this document based on the data contained in test report WF146521.

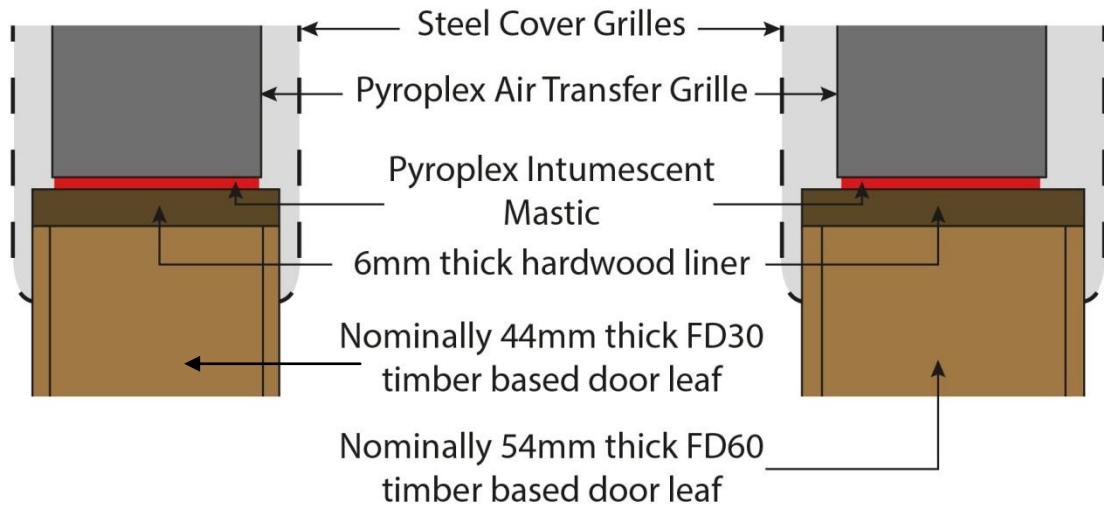
The grilles must be fitted 100mm from the edge of the door leaf and 80mm apart if more than one grille is to be fitted. The area occupied by the air transfer grille(s) must be deducted from the percentage of glazing, if both elements are fitted. The grilles may be fitted up to a maximum height of 2200mm from the threshold unless otherwise stated.

| Part No. | Dimensions (mm) | Air Flow (sq. cm) | Compatible Faceplates |
|-----------|-----------------|-------------------|-----------------------|
| ATG 1500 | 150 x 150 x 40 | 153 | FP1500 |
| ATG 1503 | 150 x 300 x 40 | 307 | FP1503 |
| ATG 1300 | 300 x 300 x 40 | 614 | FP1300 |
| ATG 2251* | 112 x 225 x 40 | 161 | FP2251 |
| ATG 2250* | 225 x 225 x 40 | 323 | FP2250 |

*ATG 2251 and ATG 2250 must only be used above 1000mm height from the threshold of the door.

The Pyroplex air transfer grilles must be installed in accordance with the manufacturer's installation details, which include a 6mm thick hardwood aperture liner and Pyroplex intumescent mastic applied around the perimeter of the grille. Guidance given below; full details can be obtained from Pyroplex Ltd.

The legal validity of this report can only be claimed on presentation of the complete report.



7 Smoke Sealing Systems

Pyroplex smoke sealing systems have been successfully proven to BS EN 1634-3: 2001 and may be incorporated with the proprietary doorsets referred to in this document in order to provide a smoke control function. Precise details are contained within the test reports referenced in the table below for each of the seal types.

Providing the smoke seals, any interruptions, door gaps, type/configuration of door are consistent with the tested detail, the door set will provide a similar level of smoke control to that proven by test to BS EN 1634-3: 2004. Any other installed components where smoke leakage may occur must also be taken into account.

The incorrect specification and fitting of smoke seals may impair the operation of a doorset and therefore compromise the fire resistance performance. Advice should be sought from Pyroplex regarding the correct specification and installation of smoke seals or combined smoke and intumescent seals.

The acceptance of these seals is based on the assumption that the volume of active intumescent material in the seal (where relevant) is the same as its equivalent intumescent non-smoke seal. All of the smoke seals listed below have been tested and approved for use with timber based 30 and 60 minute fire resisting doorsets.

| Type | Dimensions (mm) | Part No. | Smoke Test Evidence |
|--------------------------------------------------------|-----------------|----------|-------------------------------------------|
| Single Flipper (intumescent) | 10 x 4 | 30160 | Chilt/P13009/03 |
| | 15 x 4 | 30165 | |
| | 20 x 4 | 30166 | |
| Twin Flipper (intumescent) | 10 x 4 | 30170 | Chilt/P13009/04 |
| | 15 x 4 | 30175 | |
| | 20 x 4 | 30176 | |
| Triple Flipper (intumescent) | 15 x 4 | 30141 | Chilt/P13009/05 |
| | 20 x 4 | 30148 | |
| Pile only (intumescent) | 15 x 4 | 8712 | Chilt/P13009/01 |
| Side Flipper (intumescent) | 10 x 4 | 30150 | Chilt/P13009/02 |
| | 15 x 4 | 30155 | |
| | 20 x 4 | 30156 | |
| Twin Flipper (without intumescent) | 12 (wide) | 9945 | Chilt/P13009/08 and Chilt/P13009/09 |
| Trident Seal (without intumescent) | 8 (high) | 10623 | Chilt/P13009/06 |
| Bubble Seal (without intumescent) | 7 (wide) | 9927 | Chilt/P13009/07 |
| Surface Mounted Drop Seal (without intumescent) | 40 x 8 | SMDD | Chilt/P13009/08 |
| Integral Drop Seal (without intumescent) | 35 x 15 | IDD | Chilt/P13009/09 |

The legal validity of this report can only be claimed on presentation of the complete report.

8 Acoustic Sealing Systems

The acoustic performance of the Pyroplex seals and Reddiplex acoustic seals depicted in appendices A and B have been evaluated to BS EN ISO 10140-2: 2010 in the test programme referenced Chilt/Z12021/Rev. 3.

The tested performance of the different door cores and the required arrangement of seals is contained in test report Chilt/Z12021/Rev. 3.

For combined fire and acoustic performance, the required intumescent specification as detailed for the relevant door core in section 4 of this report must be fitted in conjunction with the acoustic seals tested for the same core type as detailed in Chilt/Z12021/Rev. 3. It is important that the fitting of the acoustic seals does not compromise the performance of the perimeter intumescent seals required for fire performance.

Advice should be sought from Pyroplex regarding the correct specification and installation of acoustic seals with combined smoke and intumescent seals.

All of the acoustic seals listed in appendix A have been tested and approved for use with timber based 30 and 60 minute fire resisting doorsets.

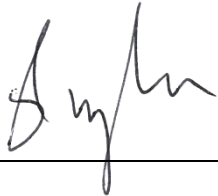

It is outside the scope of this report to offer assessment on the acoustic seals with different core types.

9 Conclusion

If the Pyroplex seals are fitted to the relevant doorset in accordance with the specification documented in this global assessment, and were to be tested in the appropriate configuration in accordance with BS 476: Part 22: 1987, it is our opinion that the doorset would achieve a minimum of 30, 60 or 90 minutes integrity as appropriate.

10 Declaration by Pyroplex Limited

- 1) We the undersigned confirm that we have read and comply with obligations placed on us by FTSG Resolution No. 82: 2001.
- 2) We confirm that the component or element of structure, which is the subject of this assessment, has not to our knowledge been subjected to a fire test to the Standard against which this assessment is being made.
- 3) We agree to withdraw this assessment from circulation should the component or element of structure be the subject of a fire test to the Standard against which this assessment is being made.
- 4) We are not aware of any information that could adversely affect the conclusions of this assessment.
- 5) If we subsequently become aware of any such information we agree to ask the assessing authority to withdraw the assessment.

| | | |
|-------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Signature: |  |  |
| Name: | O Boylan | A Walsh |
| Title: | Managing Director | Technical Manager |



11 Limitations

The following limitations apply to this assessment:

- 1) This assessment addresses itself solely to the elements and subjects discussed and does not cover any other criteria. All other details not specifically referred to should remain as tested or assessed.
- 2) This assessment is issued on the basis of test data and information to hand at the time of issue. If contradictory evidence becomes available, BM TRADA reserves the right to withdraw the assessment unconditionally but not retrospectively.
- 3) This assessment has been carried out in accordance with Fire Test Study Group Resolution No. 82: 2001.
- 4) Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
- 5) This assessment relates only to those aspects of design, materials and construction that influence the performance of the element(s) under fire resistance test conditions. It does not purport to be a complete specification ensuring fitness for purpose and long-term serviceability. It is the responsibility of the client to ensure that the element conforms to recognised good practice in all other respects and that, with the incorporation of the guidance given in this assessment, the element is suitable for its intended purpose.











12 Validity

- 1) The assessment is initially valid for five years after which time it must be submitted to BM TRADA for technical review.
- 2) This assessment report is not valid unless it incorporates the declaration given in Section 10 duly signed by the applicant.

| | | |
|-------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Signature: |  |  |
| Name: | J Godfrey | P N Barker |
| Title: | Product Assessor | Senior Consultant |

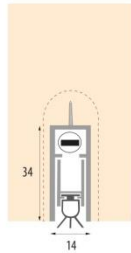
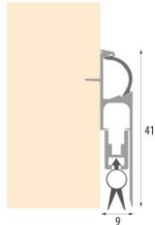
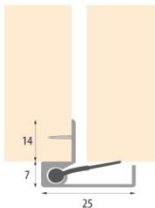
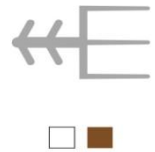



Appendix A

Pyroplex Fire Door Edge Seals

| Product Code | Description | Drawing |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 30141 | <p>Pyroplex Triple Flipper</p> <p>Combined fire, smoke and acoustic sealing system Designed for use in fire rated doorset applications Continuous seal around hinge positions Supplied with a self adhesive backing Available in a range of colours and sizes Refer to Pyroplex for further information</p> |   |
| 30165 | <p>Pyroplex Single Fin</p> <p>Combined fire, smoke and acoustic sealing system Designed for use in fire rated doorset applications Supplied with a self adhesive backing Available in a range of colours and sizes Refer to Pyroplex for further information</p> |   |
| 30155 | <p>Pyroplex Side Blade</p> <p>Combined fire, smoke and acoustic sealing system Designed for use in fire rated doorset applications Supplied with a self adhesive backing Available in a range of colours and sizes Refer to Pyroplex for further information</p> |   |
| 30175 | <p>Pyroplex Twin Flipper</p> <p>Combined fire, smoke and acoustic sealing system Designed for use in fire rated doorset applications Supplied with a self adhesive backing Available in a range of colours and sizes Refer to Pyroplex for further information</p> |   |
| 8712 | <p>Pyroplex Pile Only</p> <p>Combined fire, smoke and acoustic sealing system Designed for use in fire rated doorset applications</p> |   |

Appendix B

Reddiplex Acoustic Edge Seals

| Product Code | Description | Drawing |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| IDD | <p>INTEGRAL - Drop Down Door Seal</p> <p>Mortice sealing system 35mm x 15mm</p> <p>Assembly complete with integral silicone C/D seal</p> <p>Centrally fitted within a groove in a doorleaf assembly</p> <p>Provided with x2 end plates</p> |  |
| SMDD | <p>Surface Mounted - Drop Down Door Seal</p> <p>Assembly complete with integral silicone C/D seal</p> <p>Surface mounted external face on doorleaf assembly</p> |  |
| ASM | <p>Astragal (ASM)</p> <p>Profiled aluminium incorporating a 20mm wide rubber blade seal fixed to the meeting edge of the leaf with 3.5 x 10 long screws at 50mm from corners and at 270mm centres</p> |  |
| 10623 | <p>Trident - Flipper Seal</p> <p>Can be used for smoke, air and acoustic attenuation</p> <p>Integral sealing fins 4.50mm in height</p> <p>Suitable for installation in a 3.50mm groove</p> <p>Refer to data sheet for specific sizes and colours</p> |  |
| 9946 | <p>Corner Seal</p> <p>Can be used for smoke, air and acoustic attenuation</p> <p>Refer to data sheet for specific sizes and colours</p> |  |
| 9927 | <p>Bubble Seal</p> <p>Can be used for smoke, air and acoustic attenuation</p> <p>Refer to data sheet for specific sizes and colours</p> |  |
| 9945 | <p>Twin Flipper</p> <p>Can be used for smoke, air and acoustic attenuation</p> <p>Refer to data sheet for specific sizes and colours</p> |  |

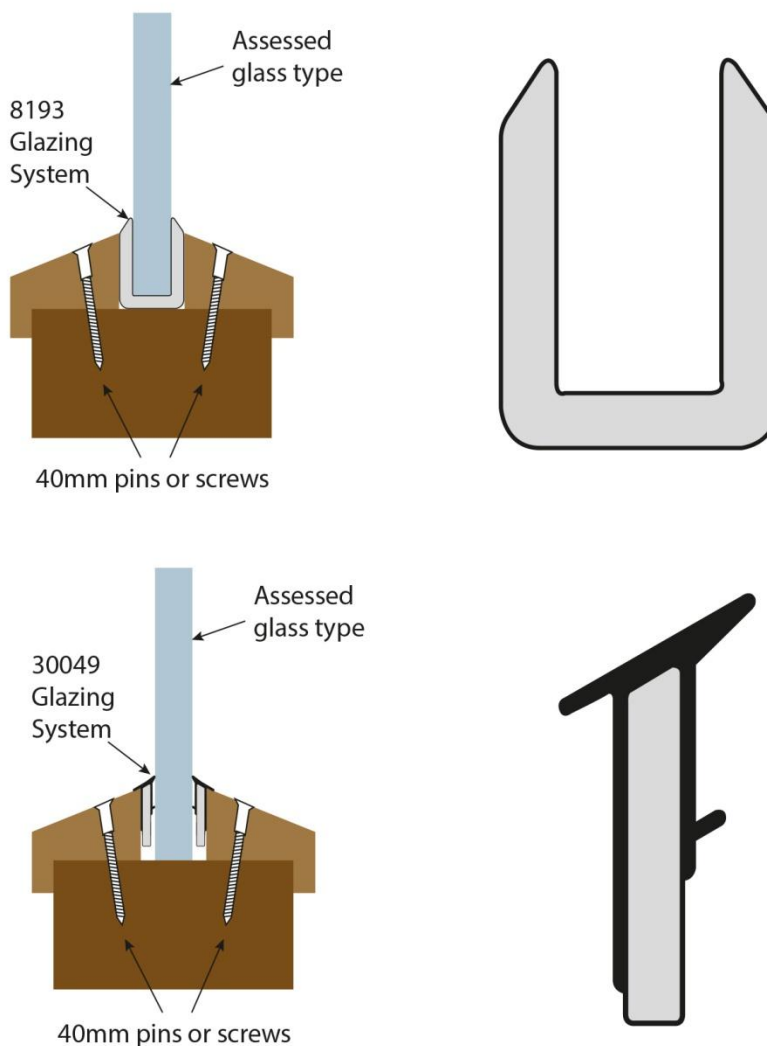
* As stated by client, not checked by laboratory

The legal validity of this report can only be claimed on presentation of the complete report.

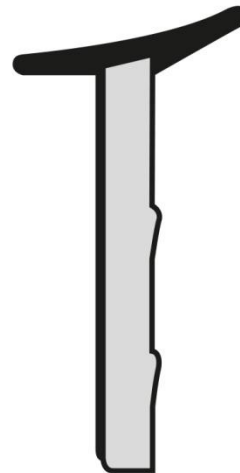
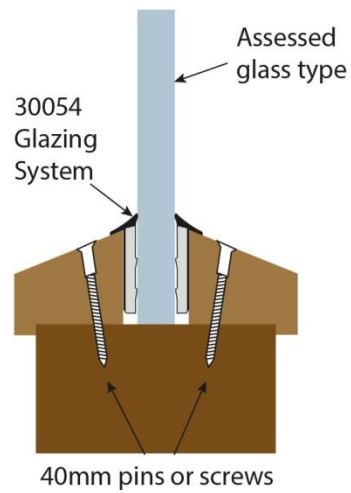
Appendix C

Pyroplex Fire Resistant Glazing Systems

30 Minutes Fire Resistance

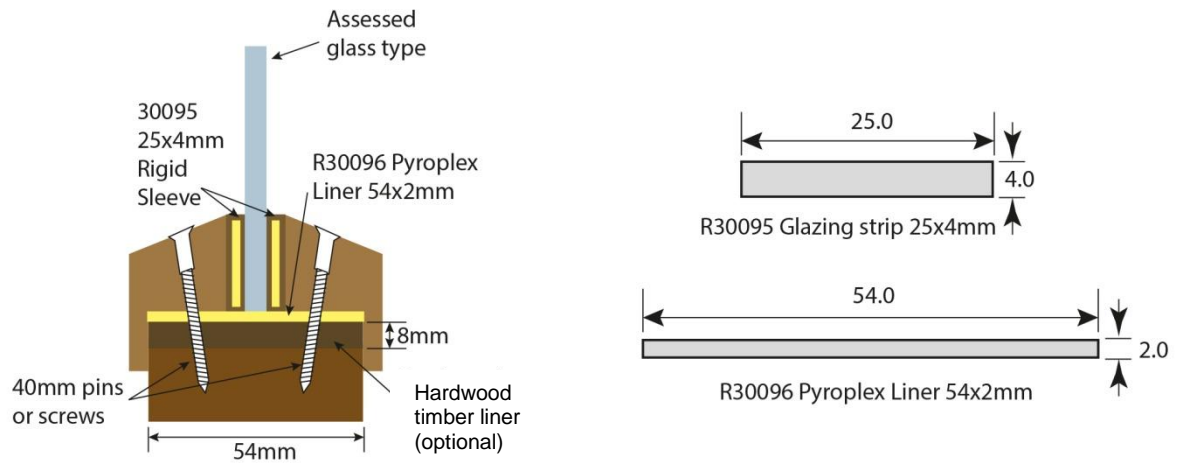


NB: Pin or screw fixings shall be at the appropriate angles and spacings as detailed in the test evidence.



NB: Pin or screw fixings shall be at the appropriate angles and spacings as detailed in the test evidence.

60 Minutes Fire Resistance



NB: Pin or screw fixings shall be at the appropriate angles and spacings as detailed in the test evidence.

Appendix D

Revisions & Amendments

| Rev. | BM TRADA Ref. | Date | Description |
|------|---------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | FEA/F13164 | 07.05.14 | <p>A revised and updated version including:</p> <p>Pyroplex products within timber based fire resisting doors for 90 minutes fire resistance.</p> <p>Pyroplex intumescent strips for use with Strebord 90 doorset designs.</p> <p>Global Assessments and associated scope from Egger (UK) Ltd, Moralt AG and Pacific Rim Wood for Pyroplex products.</p> <p>Pyroplex hinge section removed.</p> <p>30 and 60 minute glazing scope based on coverage given in Chilt/A10221 Rev. A.</p> <p>An additional section summarising the tested acoustic performance of the seals based on BMT/FEI/F14039.</p> |
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Appendix E

Performance Data

Proprietary Doorsets

| Assessment/Report No. | Configuration | Leaf Sizes (mm) | Test Standard | Performance (mins) |
|--------------------------------------------------------------|---------------|-----------------|-----------------------|--------------------|
| Falcon Panel Products Ltd. Strebord 44 – Chilt/A02066 Rev. K | Various | Various | BS 476: Part 22: 1987 | 30 |
| Falcon Panel Products Ltd. Strebord 54 – Chilt/A02067 Rev. G | Various | Various | BS 476: Part 22: 1987 | 60 |
| Falcon Panel Products Ltd. Strebord 90 – Chilt/A13182 Rev. A | Various | Various | BS 476: Part 22: 1987 | 90 |
| Halspan Ltd. Prima 30 – Chilt/A97174 Rev. G | Various | Various | BS 476: Part 22: 1987 | 30 |
| Halspan Ltd. Prima 60 – Chilt/A96103 Rev. L | Various | Various | BS 476: Part 22: 1987 | 60 |
| Pacific Rim Wood Ltd. Flamebreak 30 – FEA/F98164 Rev. K | Various | Various | BS 476: Part 22: 1987 | 30 |
| Pacific Rim Wood Ltd. Flamebreak 60 – FEA/F02141 Rev. H | Various | Various | BS 476: Part 22: 1987 | 60 |
| Pacific Rim Wood Ltd. Safeguard 30 – Chilt/A09243 Rev. B | Various | Various | BS 476: Part 22: 1987 | 30 |
| Pacific Rim Wood Ltd. Safeguard 60 – Chilt/A09244 Rev. B | Various | Various | BS 476: Part 22: 1987 | 60 |
| Egger (UK) Ltd. Eurospan 30 – Chilt/A09077 Rev. A | Various | Various | BS 476: Part 22: 1987 | 30 |

The legal validity of this report can only be claimed on presentation of the complete report.

| Assessment/Report No. | Configuration | Leaf Sizes (mm) | Test Standard | Performance (mins) |
|-----------------------------------------------------------|---------------|-----------------|--------------------------|--------------------|
| Egger (UK) Ltd. Eurospan 60 – Chilt/A10187 | Various | Various | BS 476: Part 22: 1987 | 60 |
| Moralt AG FireSafe 30 & FireSmoke 30 – Chilt/A13058 | Various | Various | BS 476: Part 22: 1987 | 30 |
| Moralt AG FireSafe 60 & FireSmoke 60 – Chilt/A13059 | Various | Various | BS 476: Part 22: 1987 | 60 |

Pyroplex Glazing Evidence

| Assessment/Report No. | Configuration | Leaf Sizes (mm) | Test Standard | Performance (mins) |
|---------------------------------------------------------|---------------------------|----------------------------------|---------------------------------------------|-------------------------|
| Pyroplex Glazing System Ref. 8492 – Chilt/RF02047 | LSASD – Aperture A | 2133 913 44 | BS 476: Part 22: 1987 | 31 – Aperture A |
| Pyroplex Glazing System Ref. 30054 – WF137714 | Fixed sample | - | Principles of BS 476: Part 20: 1987 | 41 |
| Pyroplex Glazing Channel Ref. 8193 – WF136935 | Fixed sample | - | Principles of BS 476: Part 20: 1987 | 38 |
| Pyroplex Glazing System Ref. 30049 – WF136934 | Fixed sample | - | Principles of BS 476: Part 20: 1987 | 45 |
| Pyroplex Glazing System Ref. 30049 – WF139878 | Fixed sample | - | Principles of BS 476: Part 20: 1987 | 29 (failure @ glass) |
| Pyroplex Glazing System Ref. 30049 – WF165278 | Both doorsets - ULSASD | 2044 942 44 | BS 476: Part 22: 1987 | A: 38 B: 30 |
| Pyroplex Glazing System Ref. FG60 – Chilt/RF11143 | ULSADD | 2054 928 54 (each leaf) | BS EN 1634- 1 & BS EN 1363-1: 1999 | 61 |

The legal validity of this report can only be claimed on presentation of the complete report.

Pyroplex Air Transfer Grille Evidence

| Assessment/Report No. | Configuration | Leaf Sizes (mm) | Test Standard | Performance (mins) |
|---------------------------------------------|---------------|------------------|-----------------------------------------|--------------------|
| WF146520 (Pyroplex air transfer grilles) | Indicative | 990 900 44 | Principles of BS 476: Pt 20: 1987 | 41 |
| WF146521 (Pyroplex air transfer grilles) | Indicative | 990 900 54 | BS 476: Pt 20: 1987 | 62 |

Pyroplex Acoustic & Smoke Seal Fire Test Evidence

| Assessment/Report No. | Configuration | Leaf Sizes (mm) | Test Standard | Performance (mins) |
|-----------------------|---------------|-----------------------|-----------------------------------------|--------------------|
| BMT/FEI/F14039 | LSADD | 1450 826/550 54 | Principles of BS 476: Pt 20: 1987 | 61 |

Pyroplex Smoke Seal Evidence

| Assessment/Report No. | Configuration | Leaf Sizes (mm) | Test Standard | Performance (mins) |
|-----------------------|---------------|-----------------|---------------|-----------------------------|
| Chilt/P13009/01 | Varies | Varies | BS EN 1634-3 | See test report for details |
| Chilt/P13009/02 | Varies | Varies | BS EN 1634-3 | See test report for details |
| Chilt/P13009/03 | Varies | Varies | BS EN 1634-3 | See test report for details |
| Chilt/P13009/04 | Varies | Varies | BS EN 1634-3 | See test report for details |
| Chilt/P13009/05 | Varies | Varies | BS EN 1634-3 | See test report for details |
| Chilt/P13009/06 | Varies | Varies | BS EN 1634-3 | See test report for details |
| Chilt/P13009/07 | Varies | Varies | BS EN 1634-3 | See test report for details |
| Chilt/P13009/08 | Varies | Varies | BS EN 1634-3 | See test report for details |
| Chilt/P13009/09 | Varies | Varies | BS EN 1634-3 | See test report for details |

Pyroplex Acoustic Evidence

| Assessment/Report No. | Configuration | Leaf Sizes (mm) | Test Standard | Performance (mins) |
|-----------------------|----------------------------------------------------------------------------------------|-----------------|-------------------------|-----------------------------|
| Chilt/Z12021/Rev. 3 | Single leaf test programmes P001 – P087 Double leaf test programmes P088 - P092 | Varies | BS EN ISO 10140-2: 2010 | See test report for details |

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