





Safety provisions in the event of fire are generally described by reference to National Regulations. In addition, requirements may be influenced by:

Local Bye Laws. Client specifications.

NOTE: Client specifications may take into account the particular purpose of the building e.g. HTM58 for Hospitals or Building Bulletin 100 for Schools in the United Kingdom.

The applicable Regulation for England & Wales is: Building Regulations (*England & Wales*) - Approved Document 'B' - 2006 Edition.

NOTE: Similar regulations apply in Scotland, Northern Ireland and the Republic of Ireland.

Approved Document 'B' is in two parts: Approved Document 'B1' applies to Dwellings. Approved Document 'B2' applies to Public Buildings.

For dwellings, the doorset designs are generally determined by the door / doorset manufacturer and are normally available in 'standard' sizes (See BS4787 Pt.1) from Builders Merchant sources. The doors / doorsets are generally manufactured for 'stock' with no particular final location in mind.

For public buildings, the design of the doorsets may be determined by an Architect or Designer with each doorset designed to suit a particular opening in a particular building. This may result in a wide variety of dimensional and feature requirements often with performance attributes in addition to the fire performance.

A standard (prescribed) product can be tested to the required performance standard and supplied on the basis of the base test evidence. For non standard or bespoke products it would be an impossible task to test every possible variant in size, configuration, glazing requirements and hardware variations. The method adopted in the United Kingdom is for bespoke doorset suppliers to test constructions to provide for applications 'envelopes'.

NOTE: Similar methods apply in the United States of America, Commonwealth and ex Commonwealth countries and many other Middle Eastern and Far Eastern states. An 'applications envelope' is determined by way of 'expert opinion' based upon test evidence. The base test evidence sources include testing carried out by the door core manufacturer and other doorset component suppliers / manufacturers. e.g. intumescent seal, glass, hardware suppliers / manufacturers, etc.

The 'owners' of the base test data make their test evidence available to a 3rd. party certification body (expert organisation). The independent 3rd. party certification bodies create what is generally described as a 'Global Assessment' which sets out the parameters for fire door applications related to a particular construction.

As with any expert opinion, opinions may differ according to the experiences of the particular 3rd. party certification provider. This manual sets out the parameters for the application of FLAMEBREAK™ based fire performance doorsets under the 'Q' Mark scheme that is administered by BM TRADA. To maintain the 'Q' Mark certification the doorset manufacturer using FLAMEBREAK™ must also be a member of the 'Q' Mark certification scheme.

For various reasons, users of FLAMEBREAK™ may wish to be members of alternative 3rd. party certification schemes. A list of leading providers of 3rd party certification is shown in *Section 16* Appendix 4 of this manual together with brief details of facilities offered and contact details. Pacific Rim Wood Ltd. provide support for all of the listed 3rd. party certification providers by making base test evidence available for the purpose of assessment.

NOTE: The term 'assessment' related to the assessment provided by 3rd. party certification bodies should not be confused with the term 'assessment' used in Approved Document 'B' for the purpose of regulation. The assessment required by reference to regulations is determined by the 'authorities' responsible for the particular building, generally recognised as being the Designer, in consultation with Local Building Control, and (where applicable) the Local Fire Services. The authorities may accept the expert opinions provided by 3rd. party certification bodies as guidance but they are under no obligation to accept such expert advice.



Rev.D

#### Fire Door Applications contd.

The particular project authorities may require: a/ 3rd. party certification originating from a particular 3rd. party certification provider.

**b/** A 'project assessment' related to the particular design requirements for a particular building.

c/ Further testing of particular designs or design detail.

**d/** Additional 3rd. party certification to cover particular requirements that are outside of the scope of the Global Assessment.

There is generally an additional cost where there is a demand for certification in addition to that provided by the 'Global Assessment'. The cost will be influenced by the work required and the extent of the which any resultant data is limited to the particular project or can be applied generally for future applications.

Pacific Rim Wood Ltd. will support users of FLAMEBREAK<sup>™</sup> by providing base test data owned by them for reference by 3rd. party certification bodies. Further, Pacific Rim Wood Ltd. may provide support for users of FLAMEBREAK<sup>™</sup> door cores who wish to carry out further testing by way technical support and the provision of core materials for testing purposes.

Project specifications will generally define the regulations to be applied to the particular building with a further definition of design requirements. It is generally the responsibility of the doorset manufacturer to provide for the necessary documentation to the reasonable satisfaction of the project authorities. It is strongly recommended that considerations of this nature are dealt with in advance of manufacture of the doorsets.

This section provides for general guidance for the application of FLAMEBREAK™ core doors for BS476 Pt.22 related FD30 and FD60 performances. It is important to note that size envelopes may vary according to the size and type of intumescent seal used. Reference should be made to other sections in this manual to determine recommended intumescent seal locations and requirements for additional intumescent gaskets for use with hardware.

NOTE 1: The dimensional envelopes for the fire door application of FLAMEBREAK™ core doors will vary according to the size and type of intumescent seal selected for the particular project. To assist users, this Section identifies application dimensions related to intumescent seal type and size.

NOTE 2: More limited application dimensions apply to some intumescent seal types. This does not imply that the particular seal type is in anyway inferior but rather, this reflects the extent of testing carried out with the particular seal types at the time of publication of this manual. A continuing fire test programme is likely to result in variations to these published application dimensions and users should contact Pacific Rim Wood Ltd. for further advice for applications not covered by this manual.

WARNING: Various formulae are used in the manufacture of intumescent seals which may provide for different performance characteristics under fire conditions. The mixing of intumescent seal types for use in the same doorset is not approved.

#### **Door Gaps / Alignment:**

The following describes the maximum / minimum approved gaps and door leaf positioning for fire door applications. This advice is related specifically to the achievement of design fire performances and should not be referred to as an authority to vary the requirements of BS 4787 Pt.1 for general applications.

Location	Dimension
Head & Stile edge gaps.	Approved minimum = 2mm Approved maximum = 4mm
Threshold	Approved maximum = 10mm above finished floor level.
Alignment	Door leaves must not project beyond the face of the adjacent door / panel or the frame by more than 1mm

In addition to FLAMEBREAK<sup>™</sup> Pacific Rim Wood Ltd. also supply SAFEGUARD<sup>™</sup> door cores and other doorset related components. These products are beyond the scope of this manual. For further details in respect of other products available from Pacific Rim Wood Ltd. please contact:

Pacific Rim Wood Ltd., Unit 3, Kingdom Fields, Bratton Fleming, Barnstaple, Devon. EX21 4EN

Tel: +44 (0) 1598 710100 Fax: +44 (0) 1598 710900





Door Height Assemblies

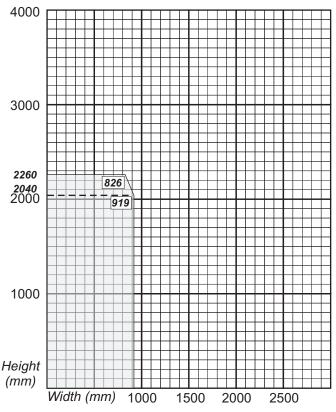
Storey Height Assemblies with Transom

10x4mm PVC encased Pyroplex

Rigid Box seal

Rev.D FD30 - BS476 Pt.22 :1987

#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2040	919
Single Door (LSASD)	То	2260	826
Latched Single Action	From	NOT APPROVED	NOT APPROVED
Double Door (LSADD)	То	NOTALFROVED	NOTALFROVED

Maximum Glazed Area See Section 6 - Glazing Double door doorset	1.15m²	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height	Single door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³	510kg/m³ Softwood or Hardwood OR
doorsets (without transoms) only.	Hardwood frames only.	700kg/m³ MDF

Intumescent Seals 10x4mm PVC encapsulated Pyroplex Rigid Box

See Section 4 - Intumescent Seals and Section 8 - Hardware

**Head:** 1No. 10x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 1No. 10x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** *NOTAPPROVED.* 

escent Seals Meeting edges: NOT APPROVE

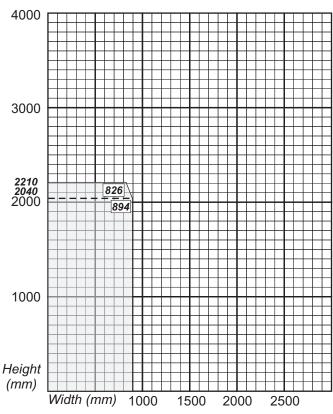


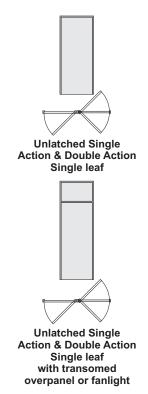


## **Door Height Assemblies** Storey Height Assemblies with Transom 10x4mm PVC encased Pyroplex Rigid Box seal

FD30 - BS476 Pt.22 :1987

#### UNLATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2040	894
Single Door (ULSASD)	То	2210	826
Double Action	From	2040	894
Single Door (DASD)	То	2210	826
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

	Maximum Glazed Area See Section 6 - Glazing	Single door doorset Double door doorset	1.15m²	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A
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510kg/m<sup>3</sup> Softwood Frame Specification Single door doorset See Section 7 - Frames or Hardwood NOTE: Glazed fanlights approved NOTE: MDF frames are approved for door height OR for doorsets with 640kg/m3 doorsets (without transoms) only. 700kg/m³ MDF Hardwood frames only.

**Intumescent Seals** 10x4mm PVC encapsulated **Pyroplex Rigid Box** 

**Head:** 1No. 10x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 1No. 10x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and Section 8 - Hardware

Meeting edges: NOTAPPROVED.





Door Height Assemblies

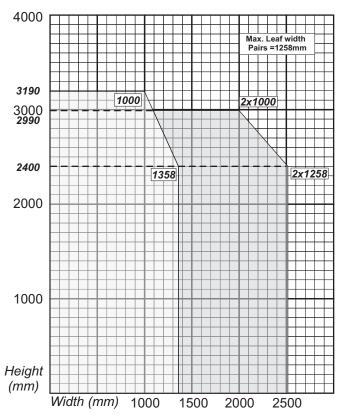
Storey Height Assemblies with Transom

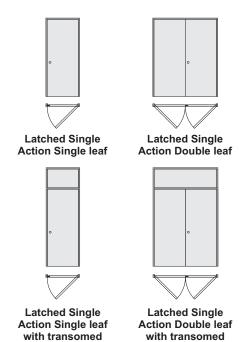
2No.10x4mm PVC encased Pyroplex

Rigid Box seal

Rev.D FD30 - BS476 Pt.22 :1987

#### **LATCHED DOORSETS**





overpanel or fanlight

overpanel or fanlight

Configuration Height (mm) Width (mm) **Latched Single Action From** 2400 1358 Single Door (LSASD) То 3190 1000 From **Latched Single Action** 2400 1258 **Double Door (LSADD)** To 2990 1000

Maximum Glazed Area Single door doorset Double door doorset 1.15m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  Double door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only.	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
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Intumescent Seals 2No 10x4mm PVC encapsulated

Pyroplex Rigid Box

See Section 4 - Intumescent Seals and Section 8 - Hardware

**Head:** 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

**Jambs & Overpanel:** 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

Meeting edges:

**Square:** 2No. 10x4mm exposed and fitted centrally in one leaf only with 10mm separation.

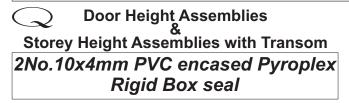


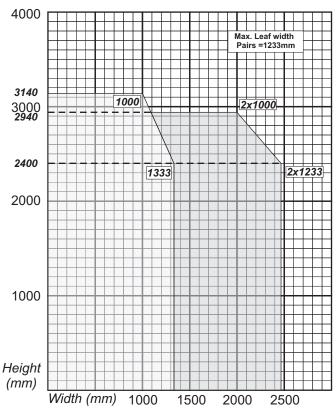


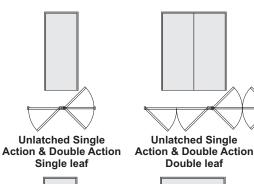
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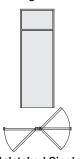
FD30 - BS476 Pt.22:1987

#### **UNLATCHED DOORSETS**

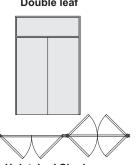








Unlatched Single Action & Double Action Single leaf with transomed overpanel or fanlight



Unlatched Single Action & Double Action Double leaf with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2400	1333
Single Door (ULSASD)	То	3140	1000
Double Action	From	2400	1333
Single Door (DASD)	То	3140	1000
Unlatched Single Action	From	2400	1233
Double Door (ULSADD)	То	2940	1000
Double Action	From	2400	1233
Double Door (DADD)	То	2940	1000

Frame Specification
See Section 7 - Frames
NOTE: MDF frames are approved for door height
doorsets (without transoms) only.

Single door doorset

Double door doorset

NOTE: Glazed fanlights approved
for doorsets with 640kg/m³

Hardwood frames only.

510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF

Intumescent Seals 2No 10x4mm PVC encapsulated Pyroplex Rigid Box

and

Section 8 - Hardware

**Head:** 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

**Jambs & Overpanel:** 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

See Section 4 - Intumescent Seals Square: 2No. 10

**Square:** 2No. 10x4mm exposed and fitted centrally in one leaf only with 10mm separation.

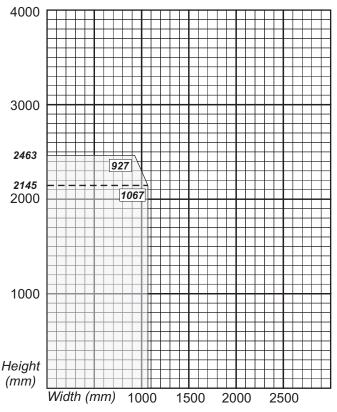


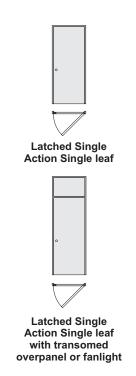


## **Door Height Assemblies** Storey Height Assemblies with Transom 15x4mm PVC encased Pyroplex Rigid Box seal

Rev.D FD30 - BS476 Pt.22:1987

LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2145	1067
Single Door (LSASD)	То	2463	927
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Couble door doorset Double door doorset 1.15	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height	Single door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³	510kg/m³ Softwood or Hardwood OR
doorsets (without transoms) only.	Hardwood frames only.	700kg/m³ MDF

**Intumescent Seals** 15x4mm PVC encapsulated **Pyroplex Rigid Box** 

**Head:** 1No. 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 1No. 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and Section 8 - Hardware

Meeting edges: NOTAPPROVED.

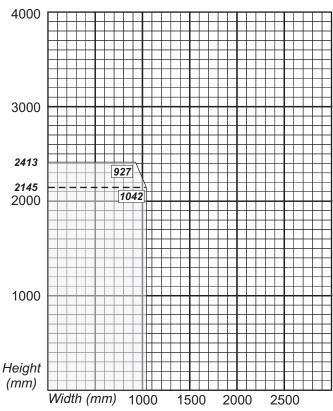


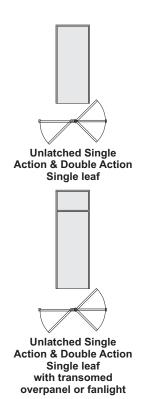


## **Door Height Assemblies** Storey Height Assemblies with Transom 15x4mm PVC encased Pyroplex Rigid Box seal

FD30 - BS476 Pt.22 :1987

#### UNLATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2145	1042
Single Door (ULSASD)	То	2413	927
Double Action	From	2145	1042
Single Door (DASD)	То	2413	927
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area	Single door doorset	1.15m²	Maximum	Single door doorset	2000mm
See Section 6 - Glazing	Double door doorset		Overpanel height	Double door doorset	N/A

510kg/m<sup>3</sup> Softwood Frame Specification Single door doorset See Section 7 - Frames or Hardwood NOTE: Glazed fanlights approved NOTE: MDF frames are approved for door height OR for doorsets with 640kg/m3 doorsets (without transoms) only. 700kg/m<sup>3</sup> MDF Hardwood frames only.

**Intumescent Seals** 15x4mm PVC encapsulated **Pyroplex Rigid Box** 

**Head:** 1No. 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 1No. 15x4mm exposed and centrally fitted to leaf or frame. Meeting edges: NOTAPPROVED.

See Section 4 - Intumescent Seals and Section 8 - Hardware

Chiltern International Fire Assessment Ref: FEA/F98164 Rev. J Valid until 8th. July 2016





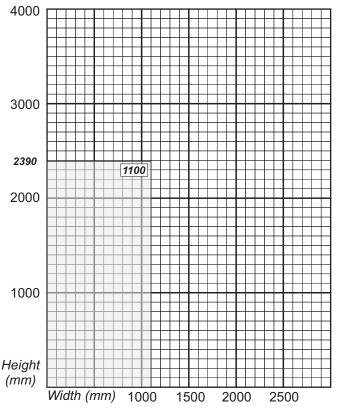
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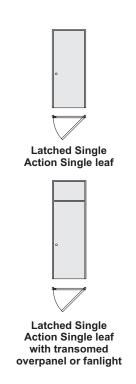
## **Door Height Assemblies** Storey Height Assemblies with Transom

# FD30 - BS476 Pt.22:1987

#### 15x4mm PVC encased Palusol P100

#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Couble door doorset Double door doorset 1.15	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height	Single door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³	510kg/m³ Softwood or Hardwood OR
doorsets (without transoms) only.	Hardwood frames only.	700kg/m³ MDF

#### **Intumescent Seals** 15x4mm PVC encapsulated Palusol 100

**Head:** 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and

Section 8 - Hardware

Meeting edges: NOTAPPROVED.

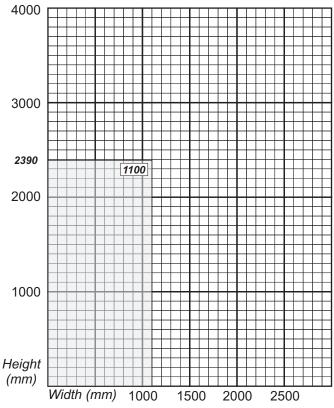


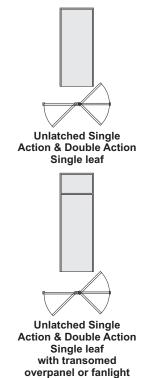


#### Rev.D FD30 - BS476 Pt.22:1987

#### 15x4mm PVC encased Palusol P100

#### UNLATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390	1100
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area	Single door doorset	1.15m²	Maximum	Single door doorset	2000mm
See Section 6 - Glazing	Double door doorset		Overpanel height	Double door doorse	t N/A

Frame Specification 510kg/m<sup>3</sup> Softwood Single door doorset See Section 7 - Frames or Hardwood NOTE: Glazed fanlights approved NOTE: MDF frames are approved for door height OR for doorsets with 640kg/m3 doorsets (without transoms) only. 700kg/m³ MDF Hardwood frames only.

**Intumescent Seals** 15x4mm PVC encapsulated Palusol 100

**Head:** 15x4mm exposed and fitted centrally in the leaf or frame head. Jambs & Overpanel: 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and

Section 8 - Hardware

Meeting edges: NOTAPPROVED.



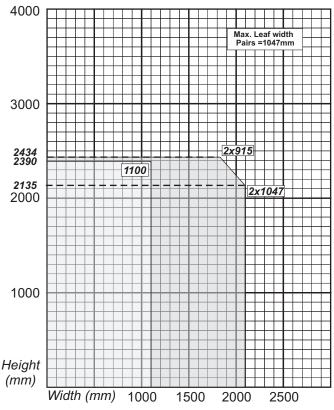


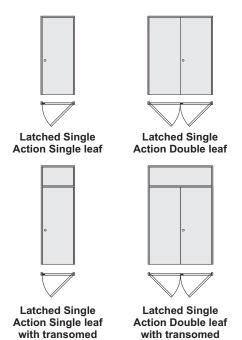
# Door Height Assemblies Storey Height Assemblies with Transom

#### 20x4mm PVC encased Palusol P100

FD30 - BS476 Pt.22 :1987

#### LATCHED DOORSETS





overpanel or fanlight

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action	From	2135	1047
Double Door (LSADD)	То	2434	915

Maximum Glazed Area Single door doorset Double door doorset 1.15m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  Double door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only.	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
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#### **Intumescent Seals**

20x4mm PVC encapsulated Palusol 100

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 20x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** 

See Section 4 - Intumescent Seals and

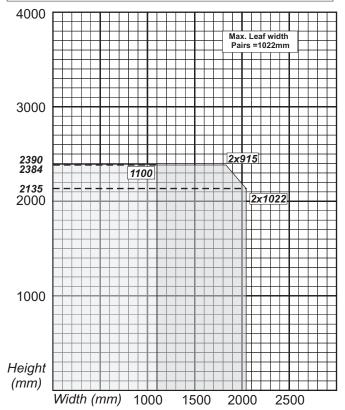
Section 8 - Hardware

Square: 1No. 20x4mm seal fitted centrally in one leaf only.



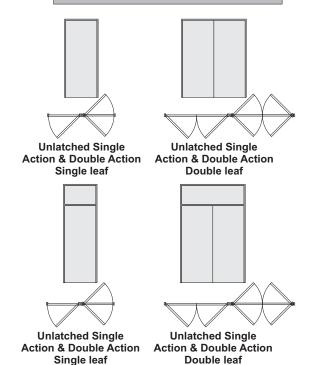


#### 20x4mm PVC encased Palusol P100



Rev.D FD30 - BS476 Pt.22 :1987

#### **UNLATCHED DOORSETS**



Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390	1100
Unlatched Single Action	From	2135	1022
Double Door (ULSADD)	То	2384	915
Double Action	From	2135	1022
Double Door (DADD)	То	2384	915

Maximum Glazed Area Single door doorset Double door doorse	1.15m²	Maximum Overpanel height	Single door doorset Double door doorset	2000mm 1500mm
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Frame Specification
See Section 7 - Frames
NOTE: MDF frames are approved for door height
doorsets (without transoms) only.

Single door doorset

Double door doorset

NOTE: Glazed fanlights approved
for doorsets with 640kg/m³

Hardwood frames only.

with transomed

overpanel or fanlight

510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF

with transomed

overpanel or fanlight

# Intumescent Seals 20x4mm PVC encapsulated

Palusol 100

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 20x4mm exposed and centrally fitted to leaf or frame.

Meeting edges:

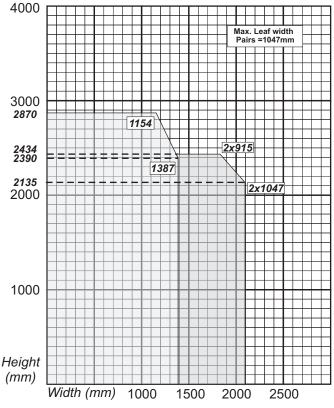
See Section 4 - Intumescent Seals and Section 8 - Hardware

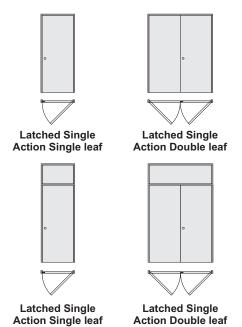
**Square:** 1No. 20x4mm seal fitted centrally in one meeting edge.

#### 25x4mm PVC encased Palusol P100

Rev.D - BS476 Pt.22 :1987

#### LATCHED DOORSETS





with transomed

overpanel or fanlight

with transomed

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2390	1387
Single Door (LSASD)	То	2870	1154
Latched Single Action	From	2135	1047
Double Door (LSADD)	То	2434	915

Maximum Glazed Area Single door doorset Double door doorset 1.15m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  Double door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only.	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
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Intumescent Seals 25x4mm PVC encapsulated Palusol 100

**Head:** 25x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 25x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** 

**Square:** 1No. 20x4mm seal fitted centrally in one leaf only.

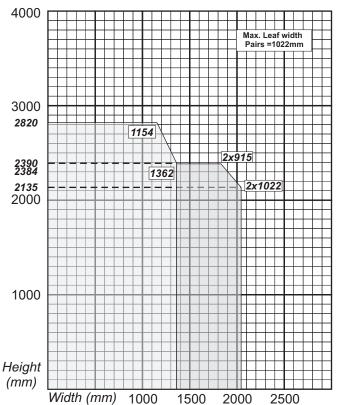
See Section 4 - Intumescent Seals and

Section 8 - Hardware



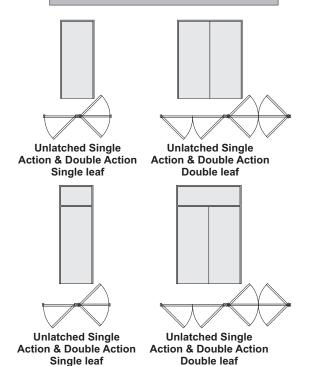


#### 25x4mm PVC encased Palusol P100



Rev.D FD30 - BS476 Pt.22 :1987

#### **UNLATCHED DOORSETS**



Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2390	1362
Single Door (ULSASD)	То	2820	1154
Double Action	From	2390	1362
Single Door (DASD)	То	2820	1154
Unlatched Single Action	From	2135	1022
Double Door (ULSADD)	То	2384	915
Double Action	From	2135	1022
Double Door (DADD)	То	2384	915

Maximum Glazed Area Single door doorset Double door doorset 1.15m <sup>2</sup>	Maximum Overpanel height	Single door doorset Double door doorset	2000mm 1500mm	
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Frame Specification
See Section 7 - Frames
NOTE: MDF frames are approved for door height
doorsets (without transoms) only.

Single door doorset

Double door doorset

NOTE: Glazed fanlights approved
for doorsets with 640kg/m³

Hardwood frames only.

with transomed

overpanel or fanlight

510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF

with transomed

overpanel or fanlight

Intumescent Seals 25x4mm PVC encapsulated Palusol 100

**Head:** 25x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 25x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** 

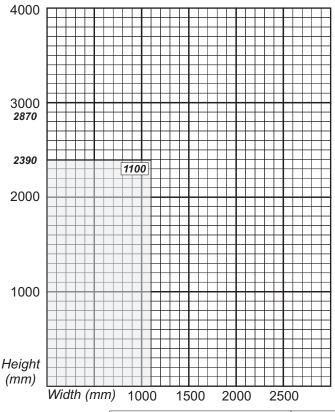
See Section 4 - Intumescent Seals and Section 8 - Hardware

**Square:** 1No. 20x4mm seal fitted centrally in one leaf only.

#### 15x4mm PVC encased Lorient 617

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#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Couble door doorset Double door doorset 1.15	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification	Single door doorset	510kg/m³ Softwood
See Section 7 - Frames	NOTE: Glazed fanlights approved	or Hardwood
NOTE: MDF frames are approved for door height	for doorsets with 640kg/m³	OR
doorsets (without transoms) only.	Hardwood frames only.	700kg/m³ MDF

#### Intumescent Seals 15x4mm PVC encapsulated Lorient 617

**Head:** 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and Section 8 - Hardware

ion 4 - Intumescent Seals | Meeting edges: NOTAPPROVED.

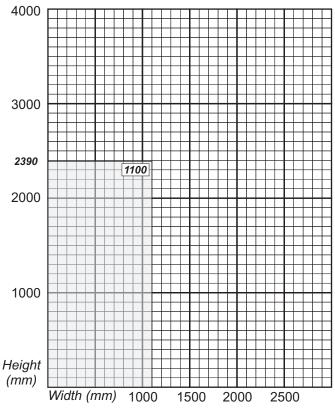


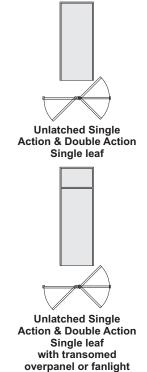


#### Rev.D FD30 - BS476 Pt.22 :1987

#### 15x4mm PVC encased Lorient 617

#### **UNLATCHED DOORSETS**





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390	1100
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area	Single door doorset	1.15m²	Maximum	Single door doorset	2000mm
See Section 6 - Glazing	Double door doorset		Overpanel height	Double door doorset	N/A

Frame Specification
See Section 7 - Frames
NOTE: MDF frames are approved for door height
doorsets (without transoms) only.

Single door doorset

NOTE: Glazed fanlights approved
for doorsets with 640kg/m³
Hardwood frames only.

510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF

Intumescent Seals
15x4mm PVC encapsulated
Lorient 617

Head: 15x4mm exposed and fitted centrally in the leaf or frame head.

Jambs & Overpanel: 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and Section 8 - Hardware

See Section 4 - Intumescent Seals | Meeting edges: NOTAPPROVED.

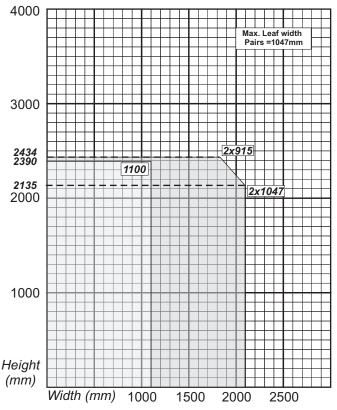


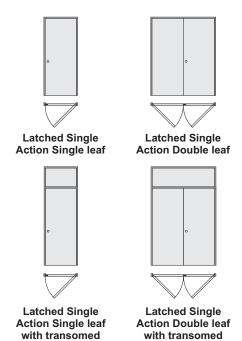


#### 20x4mm PVC encased Lorient 617

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#### LATCHED DOORSETS





overpanel or fanlight

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action	From	2135	1047
Double Door (LSADD)	То	2434	915

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  Double door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only.	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
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#### Intumescent Seals

20x4mm PVC encapsulated Lorient 617

See Section 4 - Intumescent Seals and

and Section 8 - Hardware **Head:** 20x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 20x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** 

**Square:** 1No. 20x4mm seal fitted centrally in one leaf only.





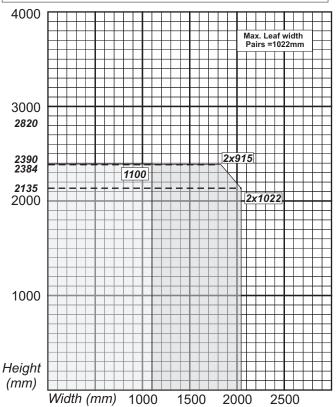
Rev.D

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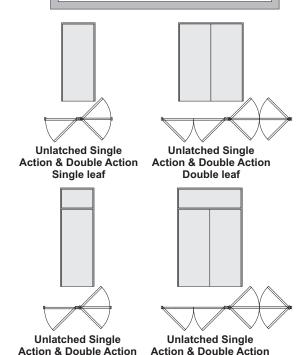
#### 20x4mm PVC encased Lorient 617

**Door Height Assemblies** 

Storey Height Assemblies with Transom



#### UNLATCHED DOORSETS



Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390	1100
Unlatched Single Action	From	2135	1022
Double Door (ULSADD)	То	2384	915
Double Action	From	2135	1022
Double Door (DADD)	To	2384	915

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset **Double door doorset** NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

Single leaf

with transomed

overpanel or fanlight

510kg/m<sup>3</sup> Softwood or Hardwood OR 700kg/m3 MDF

**Double leaf** 

with transomed

overpanel or fanlight

#### **Intumescent Seals** 20x4mm PVC encapsulated Lorient 617

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 20x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals

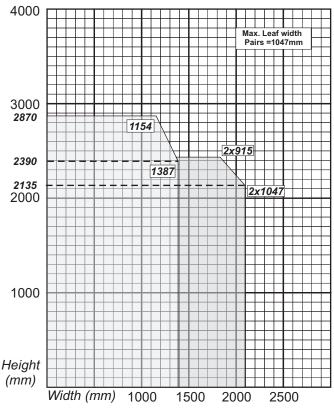
Square: 1No. 20x4mm seal fitted centrally in one leaf only.

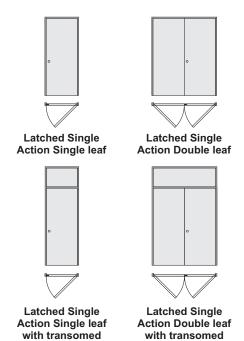
and Section 8 - Hardware

#### 25x4mm PVC encased Lorient 617

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#### LATCHED DOORSETS





overpanel or fanlight

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2390	1387
Single Door (LSASD)	То	2870	1154
Latched Single Action	From	2135	1047
Double Door (LSADD)	То	2434	915

Maximum Glazed Area Single door doorset Double door doorset 1.15m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  Double door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
		J. (

#### Intumescent Seals

25x4mm PVC encapsulated **Lorient 617**  **Head:** 25x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 25x4mm exposed and centrally fitted to leaf or frame. **Meeting edges: Square:** 1No. 20x4mm seal fitted centrally in one meeting edge.

See Section 4 - Intumescent Seals and

Section 8 - Hardware



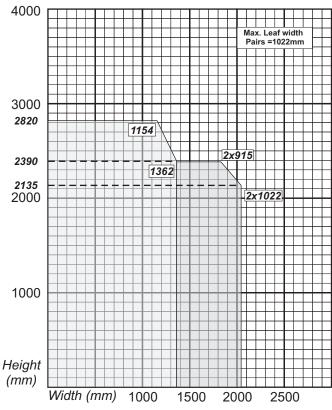


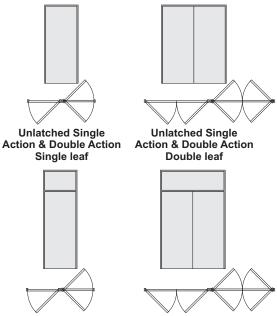
#### 25x4mm PVC encased Lorient 617



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#### UNLATCHED DOORSETS





**Unlatched Single Action & Double Action** Single leaf with transomed overpanel or fanlight

**Unlatched Single** Action & Double Action Double leaf with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2390	1362
Single Door (ULSASD)	То	2820	1154
Double Action	From	2390	1362
Single Door (DASD)	То	2820	1154
Unlatched Single Action	From	2135	1022
Double Door (ULSADD)	То	2384	915
Double Action	From	2135	1022
Double Door (DADD)	То	2384	915

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset **Double door doorset** NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

510kg/m<sup>3</sup> Softwood or Hardwood **OR** 700kg/m3 MDF

**Intumescent Seals** 25x4mm PVC encapsulated Lorient 617

Head: 25x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 25x4mm exposed and centrally fitted to leaf or frame. Meeting edges:

See Section 4 - Intumescent Seals and

Section 8 - Hardware

Square: 1No. 20x4mm seal fitted centrally in one leaf only.







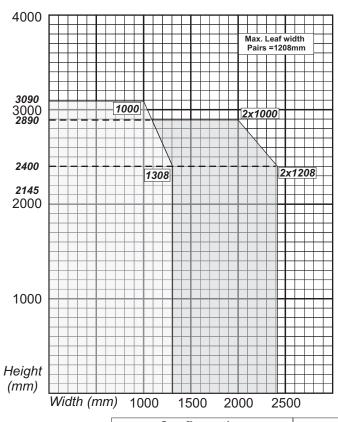
## Storey Height Assemblies with Flush Overpanels

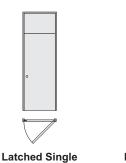
### 2No.10x4mm PVC encased Pyroplex Rigid Box seal

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LATCHED DOORSETS





**Action Single leaf** with flush overpanel

**Latched Single** Action Double leaf with flush overpanel

Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2400	1308
Single Door (LSASD)	То	3090	1000
Latched Single Action	From	2400	1208
Double Door (LSADD)	То	2890	1000

Maximum Glazed Area	Single door doorset	1.15m²	Maximum	Single door doorset	2000mm
See Section 6 - Glazing	Double door doorset		Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames	Single door doorset Double door doorset	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
		/UUKG/III WIDE

Door/Overpanel:

Square: 2No. 10x4mm exposed and fitted centrally in the top of the door leaf or bottom of overpanel with 10mm separation.

Rebated: 1No. 10x4 located centrally at the top of the door plus 1 No. 10x4 located centrally in the rebate to the door leaf.

Jambs & Overpanel: 2No. 10x4mm exposed and fitted centrally in the leaf or frame with 10mm separation, extended to vertical edges and top of overpanel.

Meeting edges - pairs of doors:

Square: 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

Rebated: NOTAPPROVED.

**Intumescent Seals** 2No 10x4mm PVC

encapsulated

**Pyroplex Rigid Box** 

See Section 4 - Intumescent Seals and Section 8 - Hardware

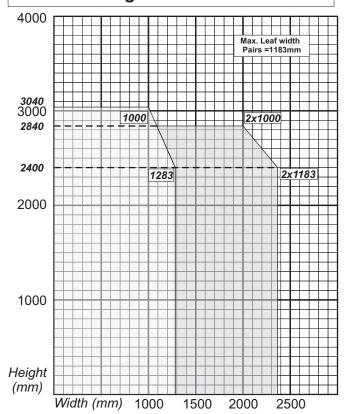






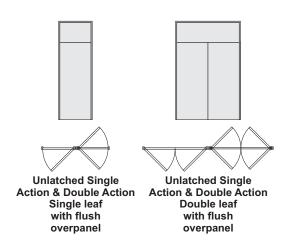
# Storey Height Assemblies with Flush Overpanels

#### 2No.10x4mm PVC encased Pyroplex Rigid Box seal



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#### **UNLATCHED DOORSETS**



Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2400	1283
Single Door (ULSASD)	То	3040	1000
Double Action	From	2400	1283
Single Door (DASD)	То	3040	1000
Unlatched Single Action	From	2400	1183
Double Door (ULSADD)	То	2840	1000
Double Action	From	2400	1183
Double Door (DADD)	То	2840	1000

Frame Specification
See Section 7 - Frames
Single door doorset
Double door doorset
OR
700kg/m³ MDF

Intumescent Seals

2No 10x4mm PVC encapsulated

Pyroplex Rigid Box

See Section 4 - Intumescent Seals and Section 8 - Hardware

Door/Overpanel:

**Square:** 2No. 10x4mm exposed and fitted centrally in the top of the door leaf or bottom of overpanel with 10mm separation.

**Rebated:** 1No. 10x4 located centrally at the top of the door plus 1 No. 10x4 located centrally in the rebate to the door leaf.

**Jambs & Overpanel:** 2No. 10x4mm exposed and fitted centrally in the leaf or frame with 10mm separation, extended to vertical edges and top of overpanel. **Meeting edges - pairs of doors:** 

**Square:** 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.



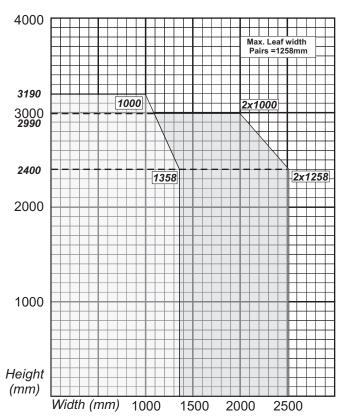


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LATCHED DOORSETS

## **Door Height Assemblies** Storey Height Assemblies with Transom 2No.10x4mm PVC encased Pyroplex Rigid Box seal



# **Latched Single Latched Single** Action Single leaf **Action Double leaf Latched Single Latched Single**

**Action Double leaf** 

with transomed

overpanel or fanlight

**Action Single leaf** 

with transomed

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2400	1358
Single Door (LSASD)	То	3190	1000
Latched Single Action	From	2400	1258
Double Door (LSADD)	То	2990	1000

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  Double door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
doorsets (without transoms) only.	Hardwood frames only.	700kg/m³ MDF

**Intumescent Seals** 2No 10x4mm PVC encapsulated

Pyroplex Rigid Box

See Section 4 - Intumescent Seals Section 8 - Hardware

Head: 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

Jambs & Overpanel: 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

Meeting edges:

Square: 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

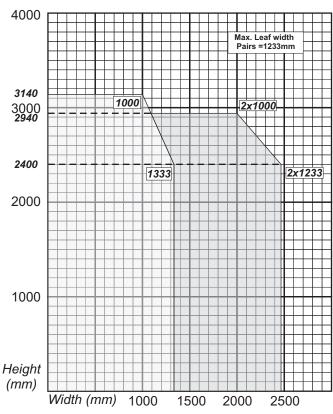


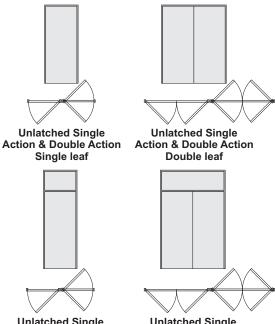


## **Door Height Assemblies** Storey Height Assemblies with Transom 2No.10x4mm PVC encased Pyroplex Rigid Box seal

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#### UNLATCHED DOORSETS





**Unlatched Single Action & Double Action** Single leaf with transomed overpanel or fanlight

**Unlatched Single** Action & Double Action Double leaf with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2400	1333
Single Door (ULSASD)	То	3140	1000
Double Action	From	2400	1333
Single Door (DASD)	То	3140	1000
Unlatched Single Action	From	2400	1233
Double Door (ULSADD)	То	2940	1000
Double Action	From	2400	1233
Double Door (DADD)	То	2940	1000

m Glazed Area tion 6 - Glazing Double door doorset 1.15	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset **Double door doorset** NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

510kg/m<sup>3</sup> Softwood or Hardwood **OR** 700kg/m3 MDF

**Intumescent Seals** 2No 10x4mm PVC encapsulated

Head: 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

**Pyroplex Rigid Box** 

Jambs & Overpanel: 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

See Section 4 - Intumescent Seals

Meeting edges:

and Section 8 - Hardware Square: 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.



25

Door Height Assemblies

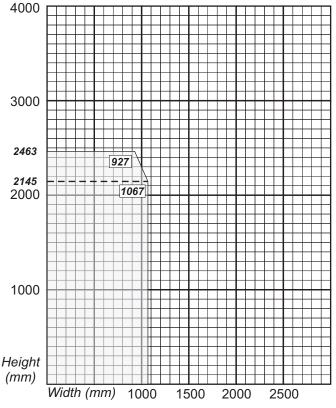
Storey Height Assemblies with Transom

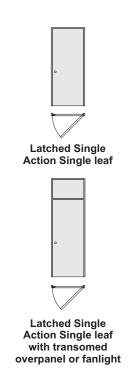
15x4mm PVC encased Pyroplex

Rigid Box seal

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#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2145	1067
Single Door (LSASD)	То	2463	927
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Couble door doorset Double door doorset 1.15	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification	Single door doorset	510kg/m³ Softwood
See Section 7 - Frames	NOTE: Glazed fanlights approved	or Hardwood
NOTE: MDF frames are approved for door height	for doorsets with 640kg/m³	OR
doorsets (without transoms) only.	Hardwood frames only.	700kg/m³ MDF

Intumescent Seals 15x4mm PVC encapsulated Pyroplex Rigid Box

See Section 4 - Intumescent Seals and

Section 8 - Hardware

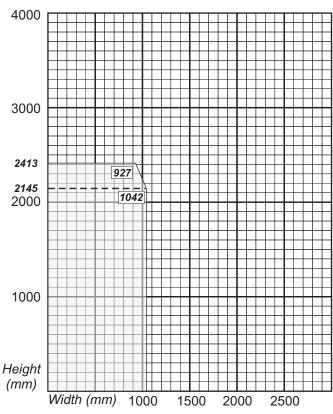
**Head:** 1No. 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 1No. 15x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** *NOTAPPROVED.* 

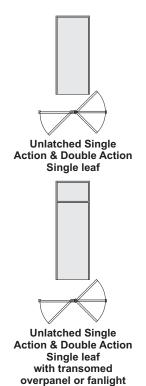


# Door Height Assemblies Storey Height Assemblies with Transom 15x4mm PVC encased Pyroplex Rigid Box seal

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#### **UNLATCHED DOORSETS**





Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2145	1042
Single Door (ULSASD)	То	2413	927
Double Action	From	2145	1042
Single Door (DASD)	То	2413	927
Unlatched Single Action	From	NOT APPROVED	NOT APPROVED
Double Door (ULSADD)	То	NOTAPROVED	NOTAPPROVED
Double Action	From	NOT APPROVED	NOT APPROVED
Double Door (DADD)	То	NOTAPPROVED	NOTAPPROVED

Frame Specification
See Section 7 - Frames

NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset

NOTE: Glazed fanlights approved for doorsets with 640kg/m³ OR
Hardwood frames only.

510kg/m³ Softwood or Hardwood
OR
700kg/m³ MDF

Intumescent Seals 15x4mm PVC encapsulated Pyroplex Rigid Box

Head: 1No. 15x4mm exposed and fitted centrally in the leaf or frame head.

Jambs & Overpanel: 1No. 15x4mm exposed and centrally fitted to leaf or frame.

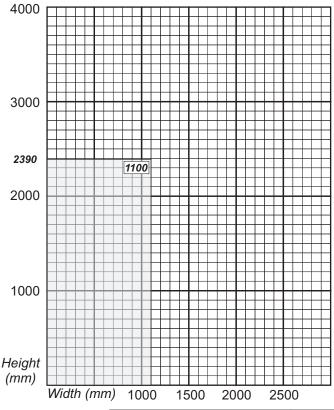
See Section 4 - Intumescent Seals and Section 8 - Hardware **Meeting edges:** NOTAPPROVED.

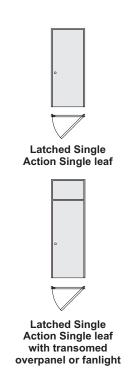


#### 15x4mm PVC encased Palusol P100

Rev.D FD30 - BS476 Pt.22 :1987

#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Couble door doorset Double door doorset 1.15	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only.	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
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#### Intumescent Seals 15x4mm PVC encapsulated Palusol 100

See Section 4 - Intumescent Seals and Section 8 - Hardware for further information

**Head:** 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 15x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** NOTAPPROVED.



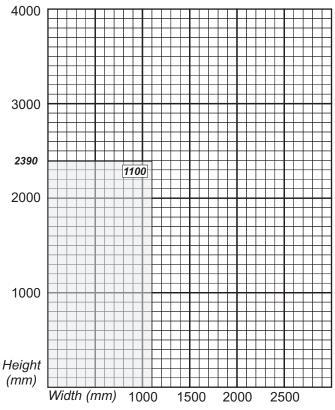
Rev.D

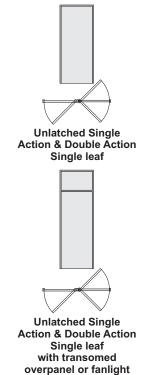
# Door Height Assemblies & Storey Height Assemblies with Transom

## FD30 - BS476 Pt.22 :1987

#### 15x4mm PVC encased Palusol P100

#### **UNLATCHED DOORSETS**





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390	1100
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Single door doorset Double door doorset 1.15	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification
See Section 7 - Frames
NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset
NOTE: Glazed fanlights approved for doorsets with 640kg/m³ OR
Hardwood frames only.

510kg/m³ Softwood or Hardwood
OR
700kg/m³ MDF

Intumescent Seals 15x4mm PVC encapsulated Palusol 100

Section 8 - Hardware

**Head:** 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals Meeting edges: NOTAPPROVED.



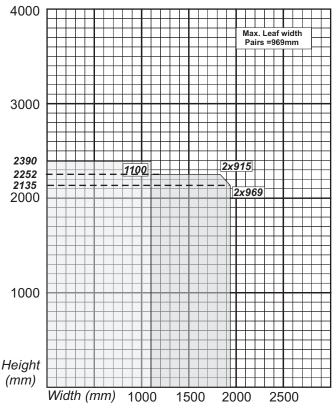


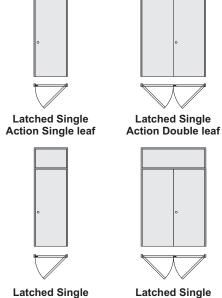
## **Door Height Assemblies Storey Height Assemblies with Transom**

#### 20x4mm PVC encased Palusol P100

Rev.D FD30 - BS476 Pt.22:1987

#### LATCHED DOORSETS





**Action Single leaf** with transomed overpanel or fanlight

**Action Double leaf** with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action	From	2135	969
Double Door (LSADD)	То	2252	915

Maximum Glazed Area See Section 6 - Glazing See Section 6 - Glazing Double door doorset Double door doorset	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset Double door doorset NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

510kg/m<sup>3</sup> Softwood or Hardwood **OR** 700kg/m<sup>3</sup> MDF

#### **Intumescent Seals**

20x4mm PVC encapsulated Palusol 100

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 20x4mm exposed and centrally fitted to leaf or frame. Meeting edges:

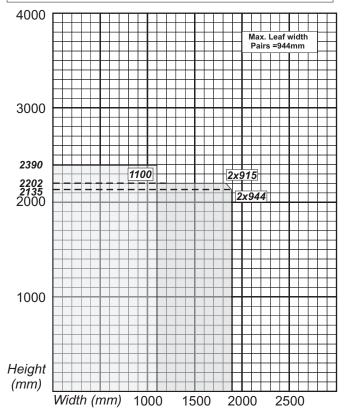
See Section 4 - Intumescent Seals and Section 8 - Hardware

Square: 1No. 20x4mm seal fitted centrally in one meeting edge.



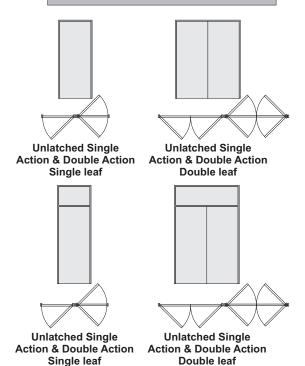


#### 20x4mm PVC encased Palusol P100



#### Rev.D FD30 - BS476 Pt.22:1987

#### **UNLATCHED DOORSETS**



Height (mm)	Width (mm)
2390	1100
2390	1100
2135	944

915

944

with transomed

overpanel or fanlight

Double Door (DA	DD)	То		2202	915			
Maximum Glazed Area See Section 6 - Glazing	Single o	door doorset door doorset	1.15m²	Maximum Overpanel height	Single door doors Double door door	set set	2000mm 1500mm	

**From** 

**From** 

**From** 

From

To

To

To

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset **Double door doorset** Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

2202

2135

510kg/m<sup>3</sup> Softwood or Hardwood OR 700kg/m3 MDF

with transomed

overpanel or fanlight

#### **Intumescent Seals** 20x4mm PVC encapsulated

Palusol 100

Configuration **Unlatched Single Action** 

Single Door (ULSASD)

**Double Action** 

Single Door (DASD)

**Unlatched Single Action** 

**Double Door (ULSADD)** 

**Double Action** 

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 20x4mm exposed and centrally fitted to leaf or frame. Meeting edges:

See Section 4 - Intumescent Seals and Section 8 - Hardware

Square: 1No. 20x4mm seal fitted centrally in one meeting edge.



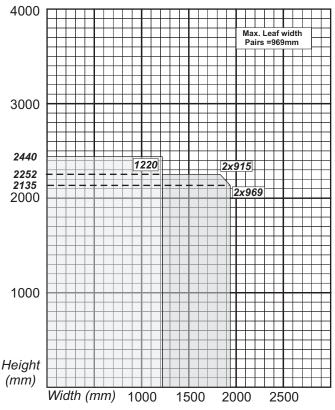


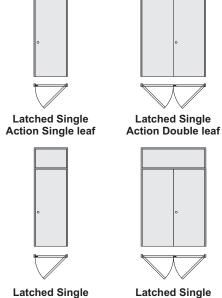
## **Door Height Assemblies Storey Height Assemblies with Transom**

#### 25x4mm PVC encased Palusol P100

Rev.D FD30 - BS476 Pt.22:1987

#### LATCHED DOORSETS





**Action Single leaf** with transomed overpanel or fanlight

**Action Double leaf** with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2440	1220
Latched Single Action	From	2135	969
Double Door (LSADD)	То	2252	915

Maximum Glazed Area See Section 6 - Glazing See Section 6 - Glazing Double door doorset Double door doorset	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset Double door doorset NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

510kg/m<sup>3</sup> Softwood or Hardwood **OR** 700kg/m<sup>3</sup> MDF

## **Intumescent Seals**

25x4mm PVC encapsulated Palusol 100

See Section 4 - Intumescent Seals and Section 8 - Hardware

Head: 25x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 25x4mm exposed and centrally fitted to leaf or frame. Meeting edges:

Square: 1No. 20x4mm seal fitted centrally in one meeting edge.

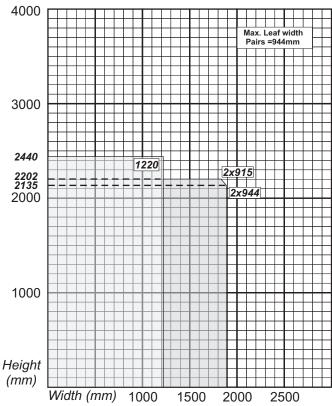


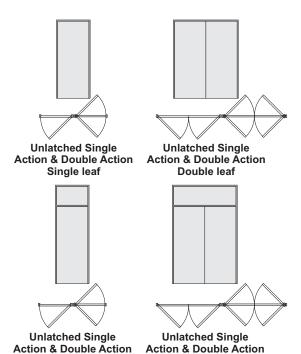
## **Door Height Assemblies** Storey Height Assemblies with Transom

#### 25x4mm PVC encased Palusol P100

Rev.D FD30 - BS476 Pt.22:1987

#### UNLATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2440	1220
Double Action Single Door (DASD)	From To	2440	1220
Unlatched Single Action	From	2135	944
Double Door (ULSADD)	То	2202	915
Double Action	From	2135	944
Double Door (DADD)	То	2202	915

2000:0 200: (27)	10			2202	910			
Maximum Glazed Area See Section 6 - Glazing	Single o	loor doorset door doorset	1.15m²	Maximum Overpanel height	Single door doors Double door door	set 20	000mm 500mm	

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset **Double door doorset** NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

Single leaf

with transomed

overpanel or fanlight

510kg/m<sup>3</sup> Softwood or Hardwood **OR** 700kg/m3 MDF

Double leaf

with transomed

overpanel or fanlight

**Intumescent Seals** 25x4mm PVC encapsulated Palusol 100

**Head:** 25x4mm exposed and fitted centrally in the leaf or frame head. Jambs & Overpanel: 25x4mm exposed and centrally fitted to leaf or frame. Meeting edges:

**Square:** 1No. 20x4mm seal fitted centrally in one meeting edge. **Rebated:** 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.

See Section 4 - Intumescent Seals and Section 8 - Hardware

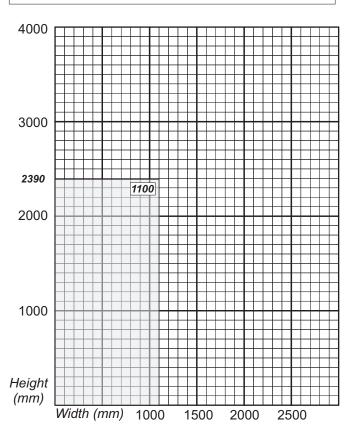
Rev.D

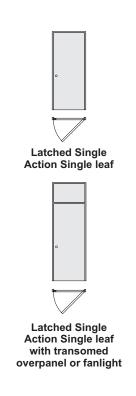
# Door Height Assemblies Storey Height Assemblies with Transom

15x4mm PVC encased Lorient 617

FD30 - BS476 Pt.22 :1987

#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED NOT APPR	

Maximum Glazed Area See Section 6 - Glazing Couble door doorset Double door doorset 1.15	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification	Single door doorset	510kg/m³ Softwood
See Section 7 - Frames	NOTE: Glazed fanlights approved	or Hardwood
NOTE: MDF frames are approved for door height	for doorsets with 640kg/m³	OR
doorsets (without transoms) only.	Hardwood frames only.	700kg/m³ MDF

# Intumescent Seals 15x4mm PVC encapsulated Lorient 617

Head: 15x4mm exposed and fitted centrally in the leaf or frame head.

Jambs & Overpanel: 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and Section 8 - Hardware

nt Seals | Meeting edges: NOTAPPROVED.

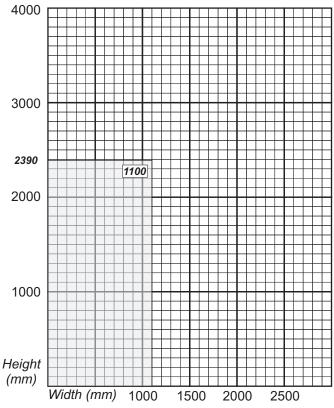


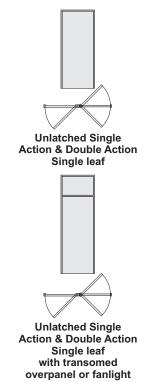
# Door Height Assemblies & Storey Height Assemblies with Transom

#### Rev.D FD30 - BS476 Pt.22 :1987

#### 15x4mm PVC encased Lorient 617

#### **UNLATCHED DOORSETS**





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390 1100	
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED NOT APPROVE	
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

	Maximum Glazed Area See Section 6 - Glazing	Single door doorset Double door doorset	1.15m²	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification
See Section 7 - Frames
NOTE: MDF frames are approved for door height
doorsets (without transoms) only.

Single door doorset

NOTE: Glazed fanlights approved
for doorsets with 640kg/m³

Hardwood frames only.

510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF

Intumescent Seals
15x4mm PVC encapsulated
Lorient 617

**Head:** 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and Section 8 - Hardware

Meeting edges: NOTAPPROVED.



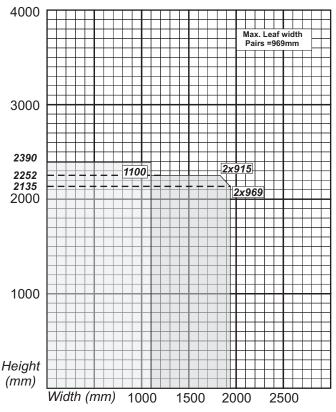
## Fire Door Applications FLAMEBREAK 630

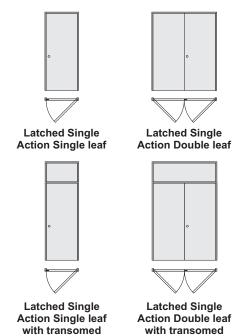
## Door Height Assemblies & Storey Height Assemblies with Transom

#### 20x4mm PVC encased Lorient 617

Rev.D - BS476 Pt.22 :1987

#### LATCHED DOORSETS





overpanel or fanlight

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action	From	2135	969
Double Door (LSADD)	То	2252	915

Maximum Glazed Area See Section 6 - Glazing See Section 6 - Glazing Double door doorset Double door doorset	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  Double door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only.	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
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Intumescent Seals 20x4mm PVC encapsulated Lorient 617

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head for single leaf doorset heights up to 2390mm.

**Jambs & Overpanel:** 20x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** 

See Section 4 - Intumescent Seals and

Section 8 - Hardware

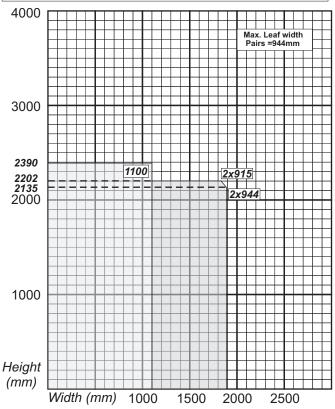
**Square:** 1No. 20x4mm seal fitted centrally in one meeting edge.

**Rebated:** 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.



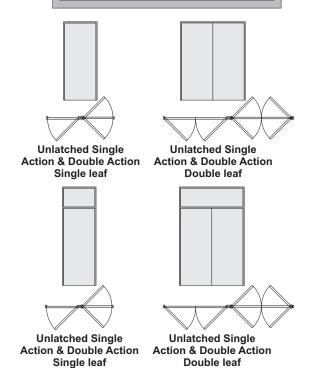


#### 20x4mm PVC encased Lorient 617



Rev.D FD30 - BS476 Pt.22:1987

#### UNLATCHED DOORSETS



Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390	1100
Unlatched Single Action	From	2135	944
Double Door (ULSADD)	То	2202	915
Double Action	From	2135	944
Double Door (DADD)	То	2202	915

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset **Double door doorset** NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

with transomed

overpanel or fanlight

510kg/m<sup>3</sup> Softwood or Hardwood OR 700kg/m3 MDF

with transomed

overpanel or fanlight

#### **Intumescent Seals** 20x4mm PVC encapsulated Lorient 617

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 20x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and Section 8 - Hardware

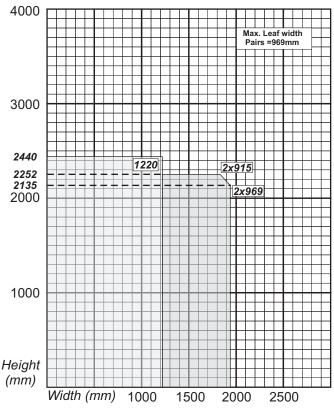
Square: 1No. 20x4mm seal fitted centrally in one meeting edge.

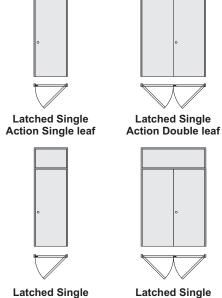
Rebated: 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.

#### 25x4mm PVC encased Lorient 617

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#### LATCHED DOORSETS





**Action Single leaf** with transomed overpanel or fanlight

**Action Double leaf** with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2440	1220
Latched Single Action	From	2135	969
Double Door (LSADD)	То	2252	915

Maximum Glazed Area Single door doorset Double door doorset 1.15m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset Double door doorset NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

510kg/m<sup>3</sup> Softwood or Hardwood **OR** 700kg/m<sup>3</sup> MDF

#### **Intumescent Seals** 25x4mm PVC encapsulated

and Section 8 - Hardware

Lorient 617

**Head:** 25x4mm exposed and fitted centrally in the leaf or frame head. Jambs & Overpanel: 25x4mm exposed and centrally fitted to leaf or frame. Meeting edges:

Square: 1No. 20x4mm seal fitted centrally in one meeting edge.

See Section 4 - Intumescent Seals **Rebated:** 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.

#### **Fire Door Applications FLAMEBREAK 630**



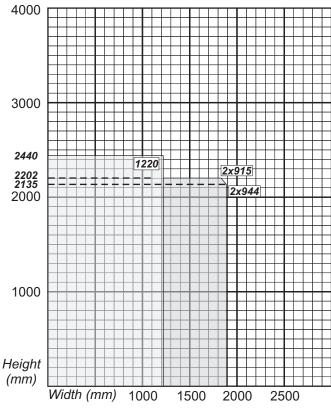
#### **Door Height Assemblies** Storey Height Assemblies with Transom

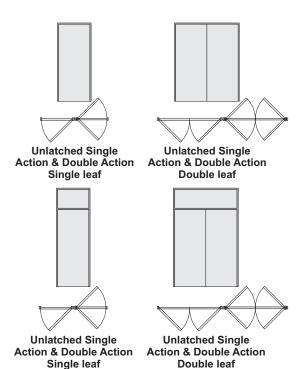
#### 25x4mm PVC encased Lorient 617



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#### UNLATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2440	1220
Double Action Single Door (DASD)	From To	2440	1220
Unlatched Single Action	From	2135	944
Double Door (ULSADD)	То	2202	915
Double Action	From	2135	944
Double Door (DADD)	То	2202	915

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset **Double door doorset** NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

510kg/m<sup>3</sup> Softwood or Hardwood **OR** 700kg/m3 MDF

with transomed

overpanel or fanlight

**Intumescent Seals** 25x4mm PVC encapsulated Lorient 617

**Head:** 25x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 25x4mm exposed and centrally fitted to leaf or frame. Meeting edges:

with transomed

overpanel or fanlight

**Square:** 1No. 20x4mm seal fitted centrally in one meeting edge.

Rebated: 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.

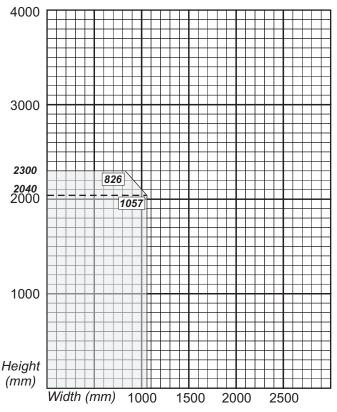
See Section 4 - Intumescent Seals and Section 8 - Hardware

Chiltern International Fire Assessment Ref: FEA/F98164 Rev. J Valid until 8th. July 2016

**Door Height Assemblies** Storey Height Assemblies with Transom 10x4mm PVC encased Pyroplex Rigid Box seal

Rev.D FD30 - BS476 Pt.22:1987

#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2040	1057
Single Door (LSASD)	То	2300	826
Latched Single Action Double Door (LSADD)	From	NOT APPROVED	NOT APPROVED
Double Dool (LSADD)	То		

Maximum Glazed Area See Section 6 - Glazing Couble door doorset Double door doorset 1.15	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only.	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
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**Intumescent Seals** 10x4mm PVC encapsulated **Pyroplex Rigid Box** 

See Section 4 - Intumescent Seals and

Section 8 - Hardware

**Head:** 1No. 10x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 1No. 10x4mm exposed and centrally fitted to leaf or frame. Meeting edges: NOTAPPROVED.

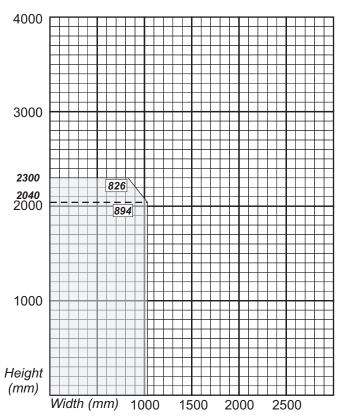


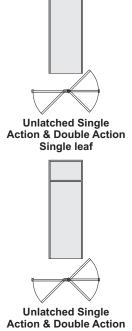


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#### **UNLATCHED DOORSETS**

# Door Height Assemblies Storey Height Assemblies with Transom 10x4mm PVC encased Pyroplex Rigid Box seal





Unlatched Single Action & Double Action Single leaf with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2040	1032
Single Door (ULSASD)	То	2300	826
Double Action	From	2040	1032
Single Door (DASD)	То	2300	826
Unlatched Single Action	From	NOT APPROVED	NOT APPROVED
Double Door (ULSADD)	То	NOTAPPROVED	NOTAFPROVED
Double Action	From	NOT APPROVED	NOT APPROVED
Double Door (DADD)	То	NOT APPROVED	NOTAPPROVED

Frame Specification
See Section 7 - Frames
NOTE: MDF frames are approved for door height
doorsets (without transoms) only.

Single door doorset

NOTE: Glazed fanlights approved
for doorsets with 640kg/m³
Hardwood frames only.

510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF

Intumescent Seals 10x4mm PVC encapsulated Pyroplex Rigid Box

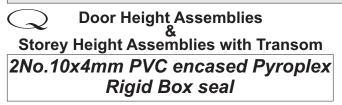
Head: 1No. 10x4mm exposed and fitted centrally in the leaf or frame head.

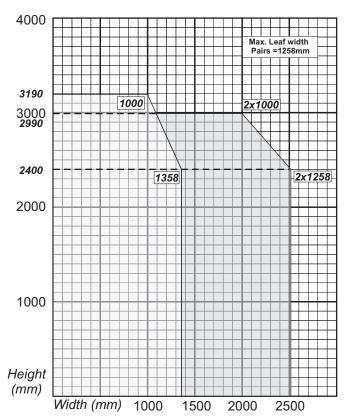
Jambs & Overpanel: 1No. 10x4mm exposed and centrally fitted to leaf or frame.

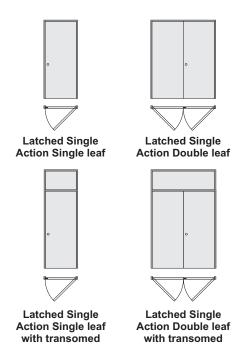
See Section 4 - Intumescent Seals and Section 8 - Hardware

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#### **LATCHED DOORSETS**







overpanel or fanlight

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2400	1358
Single Door (LSASD)	То	3190	1000
Latched Single Action	From	2400	1258
Double Door (LSADD)	То	2990	1000

Maximum Glazed Area Single door doorset Double door doorset 1.15m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

uble door doorset lazed fanlights approved or doorsets with 640kg/m³ ardwood frames only.  or Hardwood OR 700kg/m³ MDF
,

Intumescent Seals 2No 10x4mm PVC encapsulated

Pyroplex Rigid Box

See Section 4 - Intumescent Seals and Section 8 - Hardware **Head:** 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

**Jambs & Overpanel:** 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

Meeting edges:

**Square:** 2No. 10x4mm exposed and fitted centrally in one leaf only with 10mm separation.

Rebated: NOTAPPROVED.

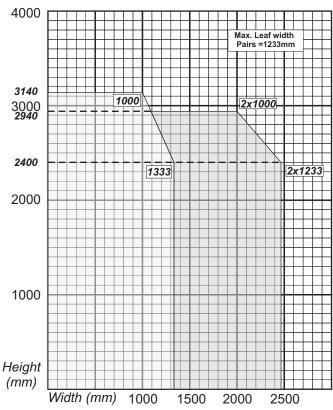


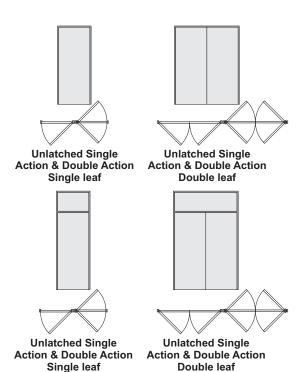


#### **Door Height Assemblies** Storey Height Assemblies with Transom 2No.10x4mm PVC encased Pyroplex Rigid Box seal

FD30 - BS476 Pt.22:1987

#### UNLATCHED DOORSETS





with transomed

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2400	1333
Single Door (ULSASD)	То	3140	1000
Double Action	From	2400	1333
Single Door (DASD)	То	3140	1000
Unlatched Single Action	From	2400	1233
Double Door (ULSADD)	То	2940	1000
Double Action	From	2400	1233
Double Door (DADD)	То	2940	1000

Maximum Glazed Area	Single door doorset	1.15m²	Maximum	Single door doorset	2000mm
See Section 6 - Glazing	Double door doorset		Overpanel height	Double door doorset	1500mm

Single door doorset 510kg/m<sup>3</sup> Softwood Frame Specification **Double door doorset** or Hardwood See Section 7 - Frames NOTE: Glazed fanlights approved NOTE: MDF frames are approved for door height **OR** for doorsets with 640kg/m3 doorsets (without transoms) only. 700kg/m3 MDF Hardwood frames only.

**Intumescent Seals** 2No 10x4mm PVC encapsulated

**Pyroplex Rigid Box** 

See Section 4 - Intumescent Seals and Section 8 - Hardware

Head: 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

with transomed

overpanel or fanlight

Jambs & Overpanel: 2No. 10x4mm exposed and fitted centrally in the leaf or frame head with 10mm separation.

Meeting edges:

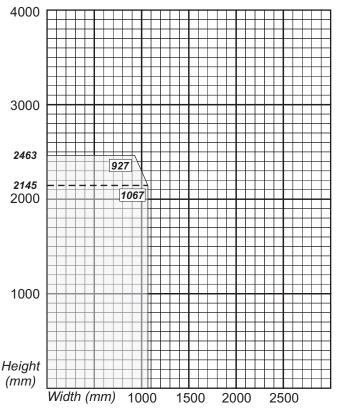
Square: 2No. 10x4mm exposed and fitted centrally in one leaf only with 10mm separation.

Rebated: NOTAPPROVED.

# Door Height Assemblies Storey Height Assemblies with Transom 15x4mm PVC encased Pyroplex Rigid Box seal

Rev.D - BS476 Pt.22 :1987

#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2145	1067
Single Door (LSASD)	То	2463	927
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Couble door doorset Double door doorset 1.15	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification	Single door doorset	510kg/m³ Softwood
See Section 7 - Frames	NOTE: Glazed fanlights approved	or Hardwood
NOTE: MDF frames are approved for door height	for doorsets with 640kg/m³	OR
doorsets (without transoms) only.	Hardwood frames only.	700kg/m³ MDF

#### Intumescent Seals 15x4mm PVC encapsulated Pyroplex Rigid Box

**Head:** 1No. 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 1No. 15x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** *NOTAPPROVED.* 

See Section 4 - Intumescent Seals and Section 8 - Hardware

Chiltern International Fire Assessment Ref: FEA/F98164 Rev. J Valid until 8th. July 2016

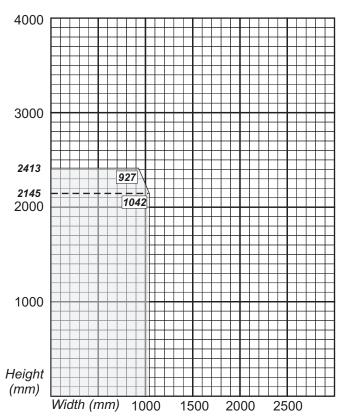




FD30 - BS476 Pt.22:1987

#### UNLATCHED DOORSETS

#### **Door Height Assemblies** Storey Height Assemblies with Transom 15x4mm PVC encased Pyroplex Rigid Box seal





Action & Double Action Single leaf with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2145	1042
Single Door (ULSASD)	То	2413	927
Double Action	From	2145	1042
Single Door (DASD)	То	2413	927
Unlatched Single Action	From	NOT APPROVED	NOT APPROVED
Double Door (ULSADD)	То	NOTALLKOVED	NOTALLINOVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

510kg/m<sup>3</sup> Softwood or Hardwood **OR** 700kg/m<sup>3</sup> MDF

**Intumescent Seals** 15x4mm PVC encapsulated **Pyroplex Rigid Box** 

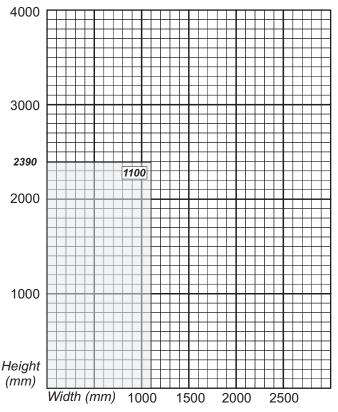
**Head:** 1No. 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 1No. 15x4mm exposed and centrally fitted to leaf or frame.

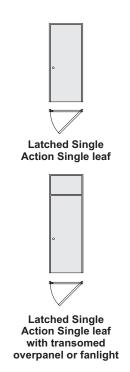
See Section 4 - Intumescent Seals and Section 8 - Hardware

#### 15x4mm PVC encased Palusol P100

Rev.D FD30 - BS476 Pt.22:1987

#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Couble door doorset Double door doorset 1.15	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification	Single door doorset	510kg/m³ Softwood
See Section 7 - Frames	NOTE: Glazed fanlights approved	or Hardwood
NOTE: MDF frames are approved for door height	for doorsets with 640kg/m³	OR
doorsets (without transoms) only.	Hardwood frames only.	700kg/m³ MDF

#### **Intumescent Seals** 15x4mm PVC encapsulated

Palusol 100

**Head:** 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and

Section 8 - Hardware



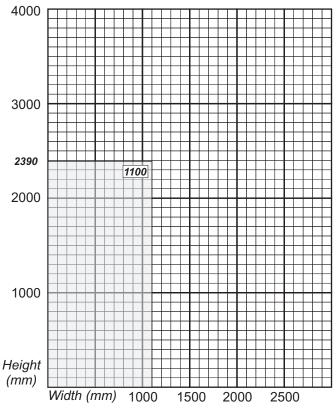


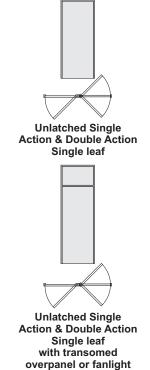
#### **Door Height Assemblies** Storey Height Assemblies with Transom

#### FD30 - BS476 Pt.22:1987

#### 15x4mm PVC encased Palusol P100

#### UNLATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390	1100
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area	Single door doorset	1.15m²	Maximum	Single door doorset	2000mm
See Section 6 - Glazing	Double door doorset		Overpanel height	Double door doorset	N/A

Single door doorset 510kg/m<sup>3</sup> Softwood Frame Specification or Hardwood See Section 7 - Frames NOTE: Glazed fanlights approved NOTE: MDF frames are approved for door height **OR** for doorsets with 640kg/m<sup>3</sup> doorsets (without transoms) only. 700kg/m<sup>3</sup> MDF Hardwood frames only.

**Intumescent Seals** 15x4mm PVC encapsulated Palusol 100

**Head:** 15x4mm exposed and fitted centrally in the leaf or frame head. Jambs & Overpanel: 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and Section 8 - Hardware

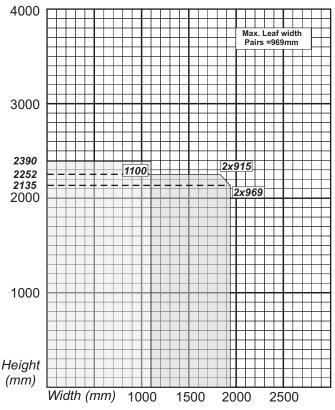
Meeting edges: NOTAPPROVED.

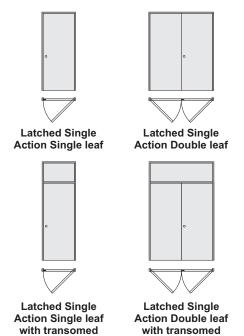
Chiltern International Fire Assessment Ref: FEA/F98164 Rev. J Valid until 8th. July 2016

#### 20x4mm PVC encased Palusol P100

Rev.D FD30 - BS476 Pt.22 :1987

#### LATCHED DOORSETS





overpanel or fanlight

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action	From	2135	969
Double Door (LSADD)	То	2252	915

Maximum Glazed Area Single door doorset Double door doorset 1.15m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  Double door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only.	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
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#### **Intumescent Seals**

20x4mm PVC encapsulated Palusol 100

See Section 4 - Intumescent Seals and

Section 8 - Hardware

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head. Jambs & Overpanel: 20x4mm exposed and centrally fitted to leaf or frame. Meeting edges:

Square: 1No. 20x4mm seal fitted centrally in one meeting edge.

Rebated: 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.



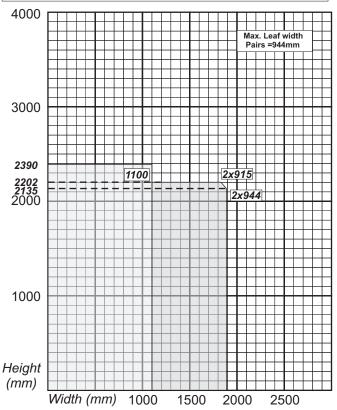


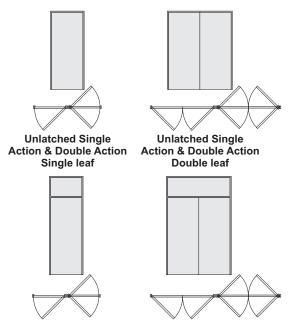
FD30 - BS476 Pt.22 :1987

#### **UNLATCHED DOORSETS**



#### 20x4mm PVC encased Palusol P100





**Unlatched Single Action & Double Action** Single leaf with transomed overpanel or fanlight

**Unlatched Single** Action & Double Action Double leaf with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390	1100
Unlatched Single Action	From	2135	944
Double Door (ULSADD)	То	2202	915
Double Action	From	2135	944
Double Door (DADD)	То	2202	915

Maximum Glazed Area Single door doorset Maximum 2000mm Single door doorset 1.15m<sup>2</sup> See Section 6 - Glazing | Double door doorset Overpanel height **Double door doorset** 1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height

doorsets (without transoms) only.

Single door doorset **Double door doorset** NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

510kg/m<sup>3</sup> Softwood or Hardwood OR 700kg/m3 MDF

#### **Intumescent Seals** 20x4mm PVC encapsulated Palusol 100

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 20x4mm exposed and centrally fitted to leaf or frame.

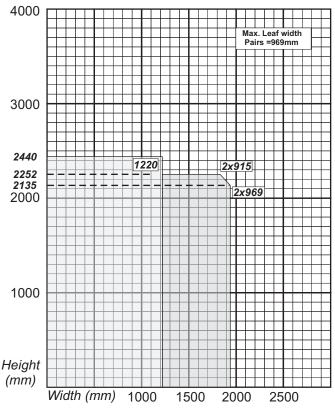
See Section 4 - Intumescent Seals and Section 8 - Hardware

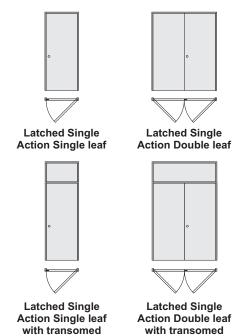
Square: 1No. 20x4mm seal fitted centrally in one meeting edge. Rebated: 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.

#### 25x4mm PVC encased Palusol P100

Rev.D - BS476 Pt.22 :1987

#### LATCHED DOORSETS





overpanel or fanlight

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2440	1220
Latched Single Action	From	2135	969
Double Door (LSADD)	То	2252	915

Maximum Glazed Area Single door doorset Double door doorset 1.15m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  Double door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only.	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
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Intumescent Seals 25x4mm PVC encapsulated Palusol 100

**Head:** 25x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 25x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** 

See Section 4 - Intumescent Seals and

**Square:** 1No. 20x4mm seal fitted centrally in one meeting edge.

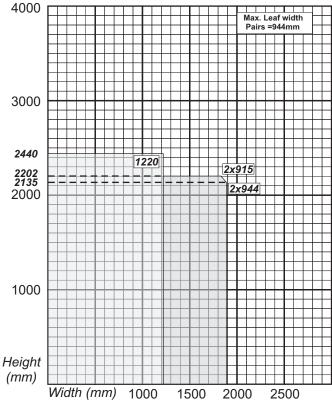
Section 8 - Hardware

**Rebated:** 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.



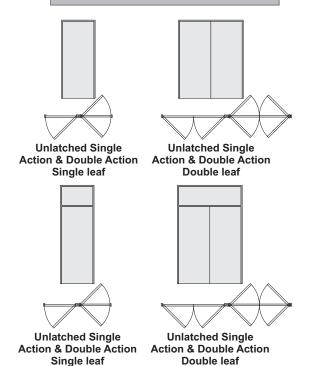


#### 25x4mm PVC encased Palusol P100



Rev.D FD30 - BS476 Pt.22 :1987

#### UNLATCHED DOORSETS



Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2440	1220
Double Action Single Door (DASD)	From To	2440	1220
Unlatched Single Action	Action From 2135	2135	944
Double Door (ULSADD)	То	2202	915
Double Action	From	2135	944
Double Door (DADD)	То	2202	915

Frame Specification
See Section 7 - Frames
NOTE: MDF frames are approved for door height
doorsets (without transoms) only.

Single door doorset
Double door doorset
NOTE: Glazed fanlights approved
for doorsets with 640kg/m³
Hardwood frames only.

with transomed

overpanel or fanlight

510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF

with transomed

overpanel or fanlight

Intumescent Seals 25x4mm PVC encapsulated Palusol 100

**Head:** 25x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 25x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** 

See Section 4 - Intumescent Seals and Section 8 - Hardware

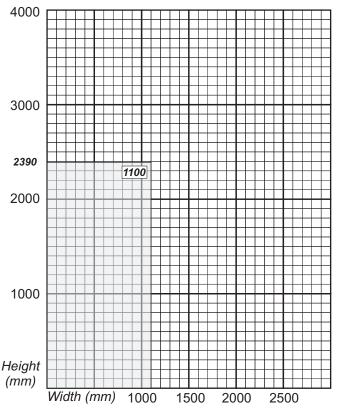
**Square:** 1No. 20x4mm seal fitted centrally in one meeting edge. **Rebated:** 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.

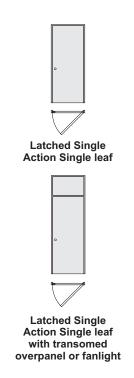
## Door Height Assemblies Storey Height Assemblies with Transom

## FD30 - BS476 Pt.22 :1987

#### 15x4mm PVC encased Lorient 617

#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Double door doorset	1.15m²	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification	Single door doorset	510kg/m³ Softwood
See Section 7 - Frames	NOTE: Glazed fanlights approved	or Hardwood
NOTE: MDF frames are approved for door height	for doorsets with 640kg/m³	OR
doorsets (without transoms) only.	Hardwood frames only.	700kg/m³ MDF

#### Intumescent Seals 15x4mm PVC encapsulated Lorient 617

**Head:** 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 15x4mm exposed and centrally fitted to leaf or frame.

See Section 4 - Intumescent Seals and Section 8 - Hardware

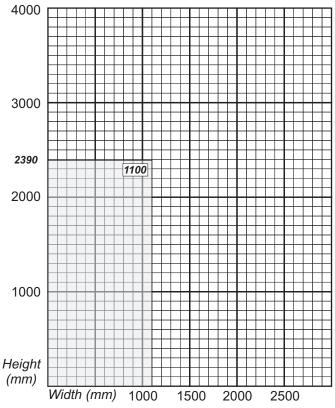


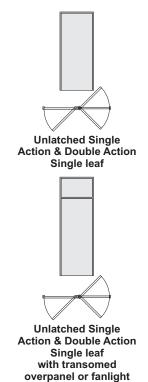


#### Rev.D FD30 - BS476 Pt.22 :1987

#### 15x4mm PVC encased Lorient 617

#### **UNLATCHED DOORSETS**





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390	1100
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

imum Glazed Area Single door doorse Section 6 - Glazing Double door doorse	1.15m²	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A
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Frame Specification
See Section 7 - Frames
NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset
NOTE: Glazed fanlights approved for doorsets with 640kg/m³
Hardwood frames only.

510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF

Intumescent Seals						
15x4mm PVC encapsulated						
Lorient 617						

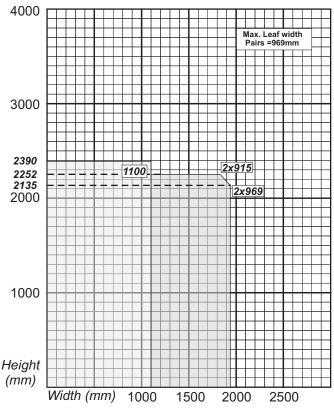
**Head:** 15x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 15x4mm exposed and centrally fitted to leaf or frame.

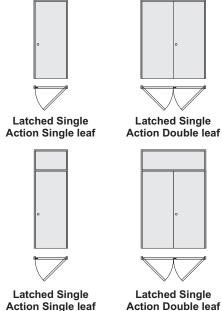
See Section 4 - Intumescent Seals and Section 8 - Hardware

#### 20x4mm PVC encased Lorient 617

Rev.D FD30 - BS476 Pt.22 :1987

#### LATCHED DOORSETS





**Action Single leaf** with transomed overpanel or fanlight

with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2390	1100
Latched Single Action	From	2135	969
Double Door (LSADD)	То	2252	915

Maximum Glazed Area	Single door doorset	1.15m²	Maximum	Single door doorset	2000mm
See Section 6 - Glazing	Double door doorset		Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset Double door doorset NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head.

Jambs & Overpanel: 20x4mm exposed and centrally fitted to leaf or frame.

510kg/m<sup>3</sup> Softwood or Hardwood **OR** 700kg/m<sup>3</sup> MDF

#### **Intumescent Seals**

20x4mm PVC encapsulated Lorient 617

See Section 4 - Intumescent Seals and

Meeting edges:

Square: 1No. 20x4mm seal fitted centrally in one meeting edge. Rebated: 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.

Section 8 - Hardware



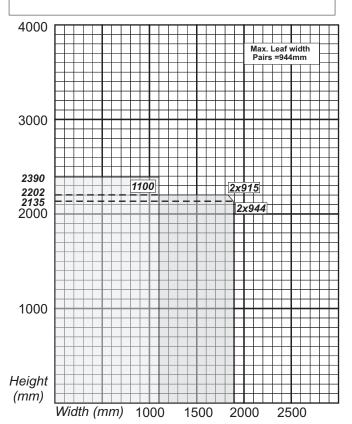


FD30 - BS476 Pt.22 :1987

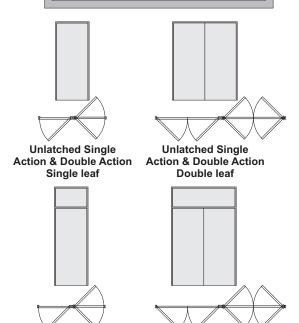
#### 20x4mm PVC encased Lorient 617

**Door Height Assemblies** 

Storey Height Assemblies with Transom



#### **UNLATCHED DOORSETS**



Unlatched Single Action & Double Action Single leaf with transomed overpanel or fanlight Unlatched Single Action & Double Action Double leaf with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2390	1100
Double Action Single Door (DASD)	From To	2390	1100
Unlatched Single Action	From	2135	944
Double Door (ULSADD)	То	2202	915
Double Action	From	2135	944
Double Door (DADD)	То	2202	915

Maximum Glazed Area	Single door doorset	1 15m²	Maximum	Single door doorset Double door doorset	2000mm	
See Section 6 - Glazing	Double door doorset	1	Overpanel height	Double door doorset	1500mm	

Frame Specification
See Section 7 - Frames
NOTE: MDF frames are approved for door height
doorsets (without transoms) only.

Single door doorset

Double door doorset

NOTE: Glazed fanlights approved
for doorsets with 640kg/m³

Hardwood frames only.

510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF

#### Intumescent Seals 20x4mm PVC encapsulated Lorient 617

**Head:** 20x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 20x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** 

See Section 4 - Intumescent Seals and Section 8 - Hardware

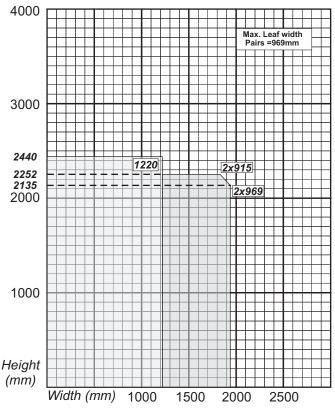
Square: 1No. 20x4mm seal fitted centrally in one meeting edge.

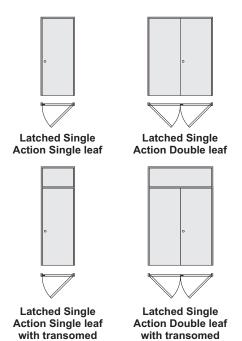
**Rebated:** 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.

#### 25x4mm PVC encased Lorient 617

Rev.D - BS476 Pt.22 :1987

#### LATCHED DOORSETS





overpanel or fanlight

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action Single Door (LSASD)	From To	2440	1220
Latched Single Action	From	2135	969
Double Door (LSADD)	То	2252	915

Maximum Glazed Area Single door doorset Double door doorset 1.15m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.	Single door doorset  Double door doorset  NOTE: Glazed fanlights approved for doorsets with 640kg/m³  Hardwood frames only	510kg/m³ Softwood or Hardwood OR 700kg/m³ MDF
	for doorsets with 640kg/m³ Hardwood frames only.	0.1

#### **Intumescent Seals**

25x4mm PVC encapsulated **Lorient 617**  **Head:** 25x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 25x4mm exposed and centrally fitted to leaf or frame. **Meeting edges:** 

See Section 4 - Intumescent Seals and

Section 8 - Hardware

**Square:** 1No. 20x4mm seal fitted centrally in one meeting edge. **Rebated:** 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.

Chiltern International Fire Assessment Ref: FEA/F98164 Rev. J Valid until 8th. July 2016



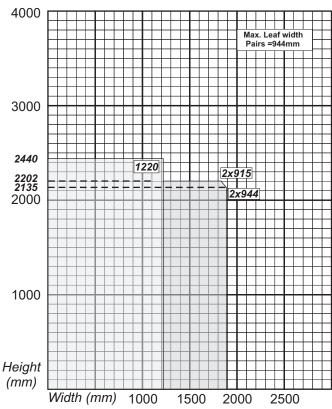


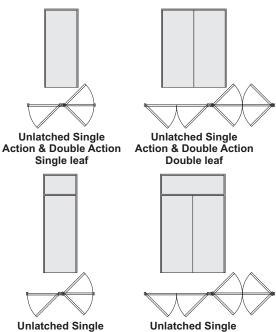
#### 25x4mm PVC encased Lorient 617



Rev.D FD30 - BS476 Pt.22 :1987

#### UNLATCHED DOORSETS





**Action & Double Action** Single leaf with transomed overpanel or fanlight

Action & Double Action Double leaf with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2440	1220
Double Action Single Door (DASD)	From To	2440	1220
Unlatched Single Action	From	2135	944
Double Door (ULSADD)	То	2202	915
Double Action	From	2135	944
Double Door (DADD)	То	2202	915

Maximum Glazed Area Single door doorset Double door doorset 1.1	Maximum Overpanel height	Single door doorset Double door doorset	2000mm 1500mm	
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Frame Specification See Section 7 - Frames NOTE: MDF frames are approved for door height doorsets (without transoms) only.

Single door doorset **Double door doorset** NOTE: Glazed fanlights approved for doorsets with 640kg/m3 Hardwood frames only.

510kg/m<sup>3</sup> Softwood or Hardwood **OR** 700kg/m3 MDF

**Intumescent Seals** 25x4mm PVC encapsulated **Lorient 617** 

**Head:** 25x4mm exposed and fitted centrally in the leaf or frame head. **Jambs & Overpanel:** 25x4mm exposed and centrally fitted to leaf or frame. Meeting edges:

See Section 4 - Intumescent Seals and

Square: 1No. 20x4mm seal fitted centrally in one meeting edge.

Section 8 - Hardware

**Rebated:** 1No. 10x4mm seal fitted centrally in the rebate of both leaf edges.



#### **Fire Door Applications FLAMEBREAK 660**

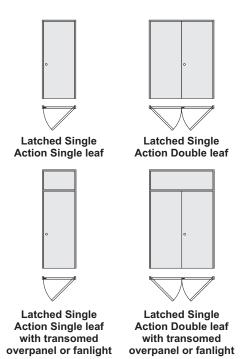


### **Door Height Assemblies** Storey Height Assemblies with Transom

#### 2x15x4 PVC encased Pyroplex Rigid Box

#### Rev.D FD60 - BS476 Pt.22 :1987

#### LATCHED DOORSETS



Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2156	1019
Single Door (LSASD)	То	2323	936
Latched Single Action	From	2156	969
Double Door (LSADD)	То	2223	936

Maximum Glazed Area	Single door doorset	0.72m²	Maximum Overnanel height	Single door doorset Double door doorset	2000mm
See Section 6 - Grazing	Double door doorset		Overpanel neight	Double door doorset	1500mm

Frame Specification See Section 7 - Frames Single door doorset Double door doorset 640kg/m³ Hard
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#### **Intumescent Seals**

**Pyroplex Rigid Box** 

2x15x4mm PVC encapsulated Head: 2No. 15x4mm exposed and fitted centrally in the frame head and separated by 5mm. Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

See Section 4 - Intumescent Seals and

and separated by 5mm.

Section 8 - Hardware

Meeting edges: 2No. 15x4mm exposed and centrally fitted to one leaf and

separated by 5mm.

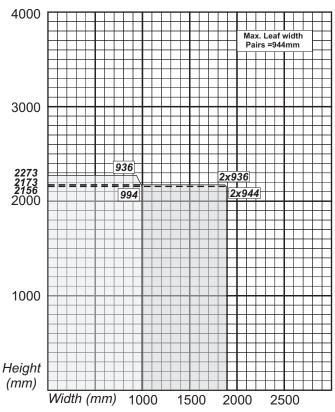


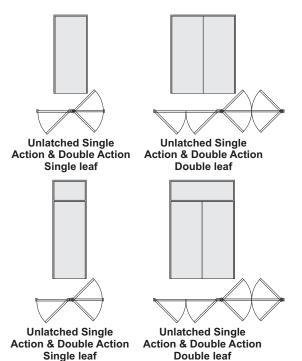


Rev.D FD60 - BS476 Pt.22 :1987

#### **UNLATCHED DOORSETS**

# Door Height Assemblies Storey Height Assemblies with Transom 2x15x4 PVC encased Pyroplex Rigid Box





with transomed

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2156	994
Single Door (ULSASD)	То	2273	936
Double Action	From	2156	994
Single Door (DASD)	То	2273	936
Unlatched Single Action	From	2156	944
Double Door (ULSADD)	То	2173	936
Double Action	From	2156	944
Double Door (DADD)	То	2173	936

Maximum Glazed Area Single door doorset Double door doorset 0.7	).72m <sup>2</sup> Maximum Overpanel height	Single door doorset Double door doorset	2000mm 1500mm	
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Frame Specification
See Section 7 - Frames
Single door doorset
Double door doorset
640kg/m³ Hardwood

Intumescent Seals 2x15x4mm PVC encapsulated Pyroplex Rigid Box

**Head:** 2No. 15x4mm exposed and fitted centrally in the frame head and separated by 5mm.

with transomed

overpanel or fanlight

**Jambs & Overpanel:** 2No. 15x4mm exposed and centrally fitted to the frame and separated by 5mm.

**Meeting edges:** 2No. 15x4mm exposed and centrally fitted to one leaf and separated by 5mm.

See Section 4 - Intumescent Seals and Section 8 - Hardware



## Fire Door Applications FLAMEBREAK 660



Door Height Assemblies

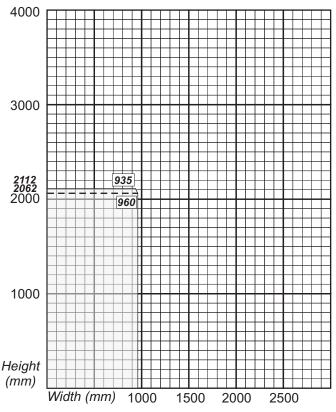
Storey Height Assemblies with Transom

30x4mm + 2x15x4 PVC

encased Palusol

Rev.D FD60 - BS476 Pt.22 :1987

LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2062	960
Single Door (LSASD)	То	2112	935
Latched Single Action	From	NOT APPROVED	NOT APPROVED
Double Door (LSADD)	То	NOTALLINOVED	NOTALLKOVED

Maximum Glazed Area Single door doorset Double door doorset 0.72m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification See Section 7 - Frames  Single door doorset  64	640kg/m³ Hardwood
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**Intumescent Seals** 

30x4mm + 2x15x4mm PVC encapsulated

**Palusol** 

See Section 4 - Intumescent Seals and

Section 8 - Hardware

**Head:** 1No. 30x4mm exposed and fitted centrally in the frame head.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm.

Meeting edges: Not approved.



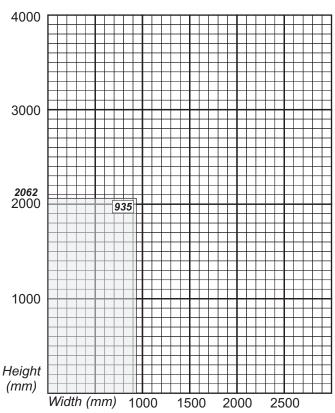


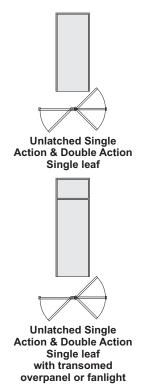
#### **Door Height Assemblies** Storey Height Assemblies with Transom 30x4mm + 2x15x4 PVCencased Palusol

Rev.D

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#### **UNLATCHED DOORSETS**





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2062	935
Double Action Single Door (DASD)	From To	2062	935
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Double door doorset 0.	0.72m <sup>2</sup> Maximum Overpanel heigh	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification Single door doorset 640kg/m³ Hardwood See Section 7 - Frames

**Intumescent Seals** 30x4mm + 2x15x4mm

PVC encapsulated Palusol

See Section 4 - Intumescent Seals and

Section 8 - Hardware

**Head:** 1No. 30x4mm exposed and fitted centrally in the frame head.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm.



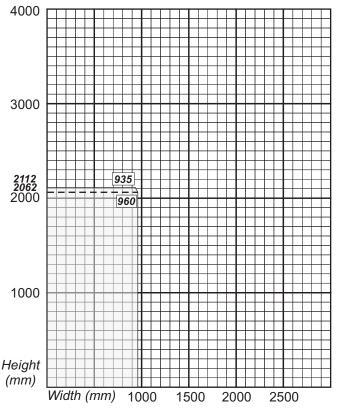
## Fire Door Applications FLAMEBREAK 660

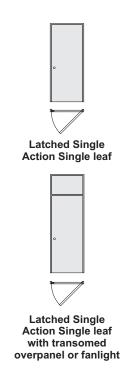


# Door Height Assemblies Storey Height Assemblies with Transom 30x4mm + 2x15x4 PVC encased Lorient 617

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LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2062	960
Single Door (LSASD)	То	2112	935
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area Single door doorset Double door doorset 0.72m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification See Section 7 - Frames Single door doorset 640kg/m³ Hardwoo
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**Intumescent Seals** 

30x4mm + 2x15x4mm PVC encapsulated **Lorient 617** 

See Section 4 - Intumescent Seals and

Section 8 - Hardware

**Head:** 1No. 30x4mm exposed and fitted centrally in the frame head.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm.



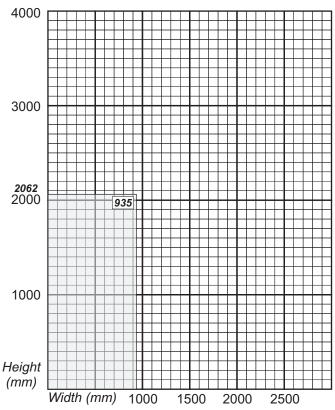


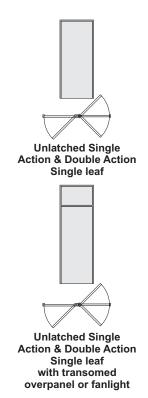
#### **Door Height Assemblies** Storey Height Assemblies with Transom 30x4mm + 2x15x4 PVCencased Lorient 617

Rev.D

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#### **UNLATCHED DOORSETS**





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2062	935
Double Action Single Door (DASD)	From To	2062	935
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area	le door doorset	Maximum	Single door doorset	2000mm	
See Section 6 - Glazing Doub	ble door doorset 0.72m²	Overpanel height	Double door doorset	N/A	

Frame Specification Single door doorset 640kg/m³ Hardwood See Section 7 - Frames

**Intumescent Seals** 30x4mm + 2x15x4mmPVC encapsulated

Lorient 617 See Section 4 - Intumescent Seals and

Section 8 - Hardware

**Head:** 1No. 30x4mm exposed and fitted centrally in the frame head.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm.

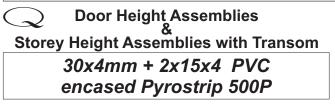


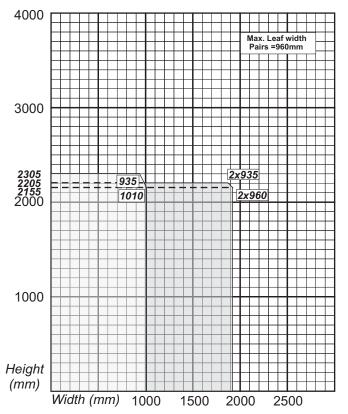
#### Fire Door Applications **FLAMEBREAK 660**

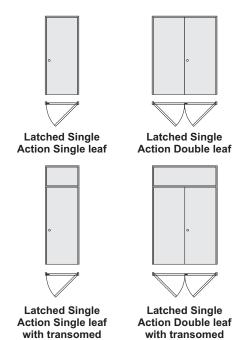
Rev.D

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#### LATCHED DOORSETS







overpanel or fanlight

overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2155	1010
Single Door (LSASD)	То	2305	935
Latched Single Action	From	2155	960
Double Door (LSADD)	То	2205	935

Maximum Glazed Area See Section 6 - Glazing	Single door doorset	0.72m <sup>2</sup>	Maximum Overpanel height	Single door doorset Double door doorset	2000mm 1500mm
See Section 6 - Grazing	Double door doorset		Overpaner neight	Double door doorset	TOUUTIIII

Frame Specification See Section 7 - Frames	Single door doorset Double door doorset	640kg/m³ Hardwood
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**Intumescent Seals** 

30x4mm + 2x15x4mmPVC encapsulated

Pyrostrip 500P See Section 4 - Intumescent Seals

and Section 8 - Hardware Head: 1No. 30x4mm exposed and fitted centrally in the frame head.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm.

Meeting edges: 2No. 15x4mm exposed and centrally fitted in one leaf and separated by 8mm.

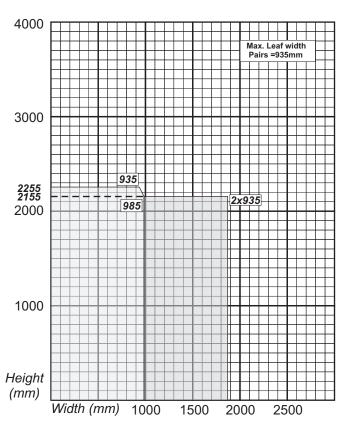


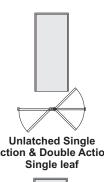


#### **Door Height Assemblies** Storey Height Assemblies with Transom 30x4mm + 2x15x4 PVCencased Pyrostrip 500P

Rev.D FD60 - BS476 Pt.22 :1987

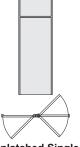
#### UNLATCHED DOORSETS

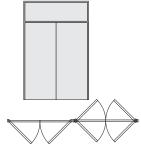




**Action & Double Action** 

**Unlatched Single** Action & Double Action **Double leaf** 





**Unlatched Single Action & Double Action** Single leaf with transomed overpanel or fanlight

**Unlatched Single Action & Double Action** Double leaf with transomed overpanel or fanlight

Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2155	985
Single Door (ULSASD)	То	2255	935
Double Action	From	2155	985
Single Door (DASD)	То	2255	935
Unlatched Single Action	From	2155	935
Double Door (ULSADD)	То	2155	935
Double Action	From	2155	935
Double Door (DADD)	То	2100	935

Maximum Glazed Area	Single door doorset	0.72m <sup>2</sup>	Maximum	Single door doorset	2000mm
See Section 6 - Glazing	Double door doorset		Overpanel height	Double door doorset	1500mm

Frame Specification See Section 7 - Frames

Single door doorset **Double door doorset** 

640kg/m³ Hardwood

**Intumescent Seals** 

30x4mm + 2x15x4mmPVC encapsulated

Pyrostrip 500P See Section 4 - Intumescent Seals and

Section 8 - Hardware

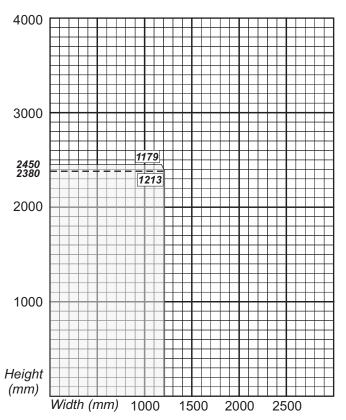
Head: 1No. 30x4mm exposed and fitted centrally in the frame head.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame and separated by 10mm.

Meeting edges: 2No. 15x4mm exposed and centrally fitted in one leaf and separated by 8mm.



#### 2x15x4 PVC encased Pyrostrip 500P



#### Rev.D FD60 - BS476 Pt.22:1987

#### LATCHED DOORSETS



Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2380	1213
Single Door (LSASD)	То	2450	1179
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing	Single door doorset Double door doorset	0.72m <sup>2</sup>	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification See Section 7 - Frames	Single door doorset	640kg/m³ Hardwood
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Intumescent Seals	
2x15x4mm PVC encapsulated	ı
Pyrostrip 500P	5

Head: 2No. 15x4mm exposed and fitted centrally in the frame head and separated by 10mm.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame and separated by 10mm.

Meeting edges: NOTAPPROVED.

See Section 4 - Intumescent Seals and Section 8 - Hardware

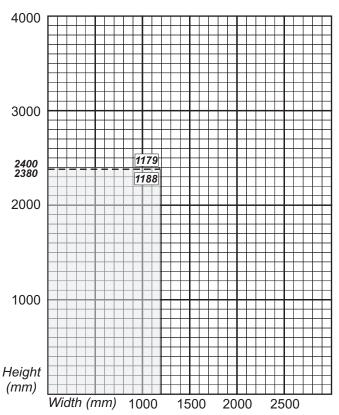


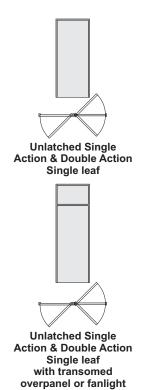


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#### **UNLATCHED DOORSETS**

#### **Door Height Assemblies** Storey Height Assemblies with Transom 2x15x4 PVC encased Pyrostrip 500P





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2380 2400	1188 1179
Double Action Single Door (DASD)	From To	2380 2400	1188 1179
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Single door doorset	0.72m <sup>2</sup>	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification Single door doorset 640kg/m³ Hardwood See Section 7 - Frames

**Intumescent Seals** 

Pyrostrip 500P

2x15x4mm PVC encapsulated Head: 2No. 15x4mm exposed and fitted centrally in the frame head and separated by 10mm.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm. See Section 4 - Intumescent Seals Meeting edges: NOTAPPROVED.

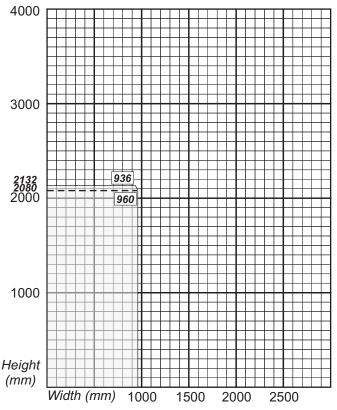
and Section 8 - Hardware

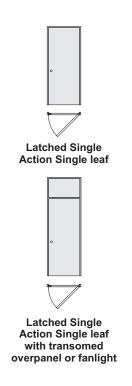
## Door Height Assemblies & Storey Height Assemblies with Transom 2x15x4 PVC

encased Pyroplex Rigid Box

Rev.D **FD60** - BS476 Pt.22 :1987

#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2080	960
Single Door (LSASD)	То	2132	936
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing	Single door doorset Double door doorset	0.72m <sup>2</sup>	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification See Section 7 - Frames
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Intumescent Seals 2x15x4mm PVC encapsulated Pyroplex Rigid Box	<b>Head:</b> 2No. 15x4mm exposed and fitted centrally in the frame head and separated by 5mm. <b>Jambs &amp; Overpanel:</b> 2No. 15x4mm exposed and centrally fitted to the frame
See Section 4 - Intumescent Seals and Section 8 - Hardware	and separated by 5mm.  Meeting edges: NOTAPPROVED.

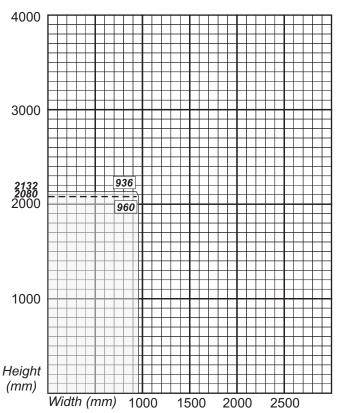


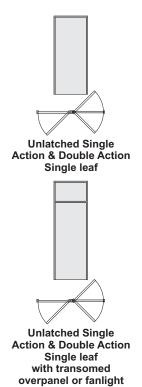


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#### **UNLATCHED DOORSETS**

#### **Door Height Assemblies** Storey Height Assemblies with Transom 2x15x4 PVC encased Pyroplex Rigid Box





Configuration		Height (mm)	Width (mm)
Unlatched Single Action	From	2080	960
Single Door (ULSASD)	То	2132	936
Double Action	From	2080	960
Single Door (DASD)	То	2132	936
Unlatched Single Action	From	NOT APPROVED	NOT APPROVED
Double Door (ULSADD)	То	NOTAPPROVED	NOTAPPROVED
Double Action	From	NOT APPROVED	NOT APPROVED
Double Door (DADD)	То	NOTAPROVED	NOTAFPROVED

Maximum Glazed Area Single door doorset Double door doorset 0.	).72m²	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A
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Frame Specification Single door doorset 640kg/m³ Hardwood See Section 7 - Frames

**Intumescent Seals Pyroplex Rigid Box** 

2x15x4mm PVC encapsulated Head: 2No. 15x4mm exposed and fitted centrally in the frame head and separated by 5mm.

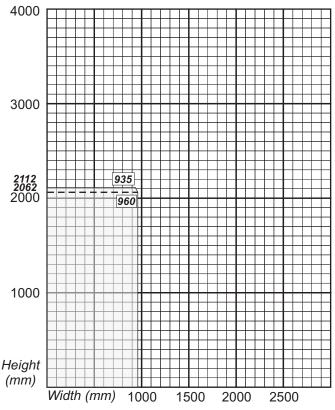
Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 5mm. See Section 4 - Intumescent Seals and

**Door Height Assemblies** Storey Height Assemblies with Transom 30x4mm + 2x15x4 PVCencased Palusol

Rev.D FD60 - BS476 Pt.22:1987

#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2062	960
Single Door (LSASD)	То	2112	935
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area Single door doorset Double door doorset 0.72m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification See Section 7 - Frames	Single door doorset	640kg/m³ Hardwood
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**Intumescent Seals** 

30x4mm + 2x15x4mmPVC encapsulated

**Palusol** 

See Section 4 - Intumescent Seals and

Section 8 - Hardware

Head: 1No. 30x4mm exposed and fitted centrally in the frame head.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm.

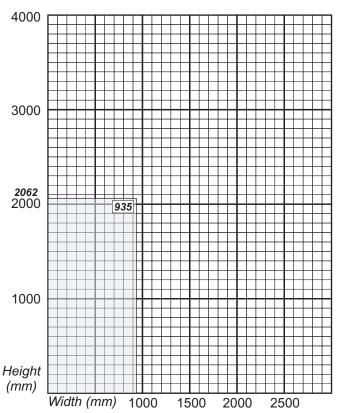


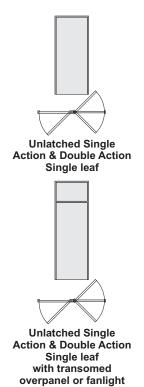


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#### **UNLATCHED DOORSETS**

# Door Height Assemblies Storey Height Assemblies with Transom 30x4mm + 2x15x4 PVC encased Palusol





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2062	935
Double Action Single Door (DASD)	From To	2062	935
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Single door doorse	t 0.72m²	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification
See Section 7 - Frames

Single door doorset

640kg/m³ Hardwood

Intumescent Seals 30x4mm + 2x15x4mm

30x4mm + 2x15x4mm PVC encapsulated

Palusol

See Section 4 - Intumescent Seals and

Section 8 - Hardware

**Head:** 1No. 30x4mm exposed and fitted centrally in the frame head.

**Jambs & Overpanel:** 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm.



Fire Door Applications FLAMEBREAK FF660



Door Height Assemblies

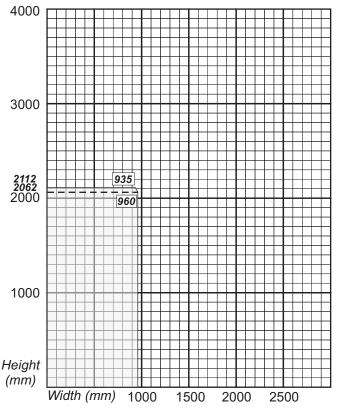
Storey Height Assemblies with Transom

30x4mm + 2x15x4 PVC

encased Lorient 617

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LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2062	960
Single Door (LSASD)	То	2112	935
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area Single door doorset Double door doorset 0.72m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification See Section 7 - Frames	Single door doorset	640kg/m³ Hardwood	Î

**Intumescent Seals** 

30x4mm + 2x15x4mm PVC encapsulated **Lorient 617** 

See Section 4 - Intumescent Seals and

Section 9 - Hardware

Head: 1No. 30x4mm exposed and fitted centrally in the frame head.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm.

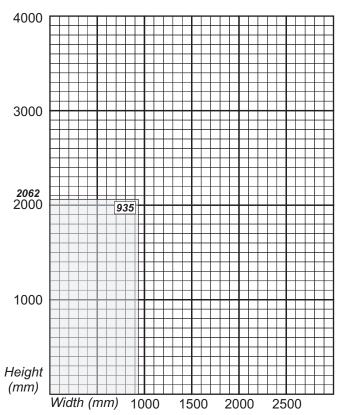


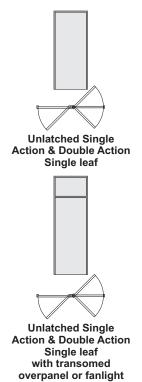


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#### **UNLATCHED DOORSETS**

# Door Height Assemblies Storey Height Assemblies with Transom 30x4mm + 2x15x4 PVC encased Lorient 617





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From To	2062	935
Double Action Single Door (DASD)	From To	2062	935
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Single door doorset	0.72m <sup>2</sup>	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification
See Section 7 - Frames

Single door doorset

640kg/m³ Hardwood

Intumescent Seals 30x4mm + 2x15x4mm

PVC encapsulated

Lorient 617

See Section 4 - Intumescent Seals and Section 8 - Hardware Head: 1No. 30x4mm exposed and fitted centrally in the frame head.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm.

Door Height Assemblies

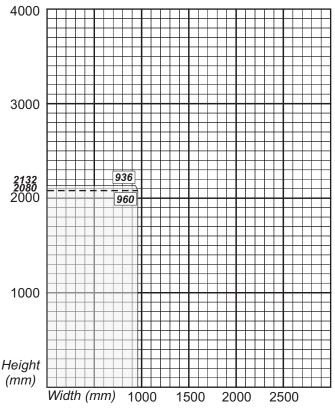
Storey Height Assemblies with Transom

30x4mm + 2x15x4 PVC

encased Pyrostrip 500P

Rev.D FD60 - BS476 Pt.22 :1987

LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2080	960
Single Door (LSASD)	То	2132	936
Latched Single Action Double Door (LSADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area Single door doorset Double door doorset 0.72m	Maximum	Single door doorset	2000mm
	Overpanel height	Double door doorset	N/A

Frame Specification See Section 7 - Frames	Single door doorset	640kg/m³ Hardwood	

Intumescent Seals

30x4mm + 2x15x4mm PVC encapsulated

Pyrostrip 500P
See Section 4 - Intumescent Seals
and

Section 8 - Hardware

**Head:** 1No. 30x4mm exposed and fitted centrally in the frame head.

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

and separated by 10mm.

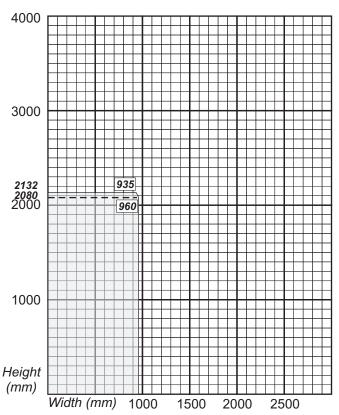


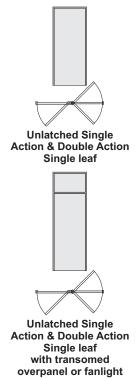


FD60 - BS476 Pt.22:1987

#### **UNLATCHED DOORSETS**

# Door Height Assemblies Storey Height Assemblies with Transom 30x4mm + 2x15x4 PVC encased Pyrostrip 500P





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From	2080	960
Single Door (ULSASD)	То	2132	935
Double Action	From	2080	960
Single Door (DASD)	То	2132	935
Unlatched Single Action	From	NOT APPROVED	NOT APPROVED
Double Door (ULSADD)	То	NOTAPPROVED	NOTAPPROVED
Double Action	From	NOT ADDDOVED	NOT ADDDOVED
Double Door (DADD)	То	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing	Single door doorset Double door doorset	0.72m <sup>2</sup>	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification
See Section 7 - Frames

Single door doorset

640kg/m³ Hardwood

Intumescent Seals 30x4mm + 2x15x4mm PVC encapsulated

Pyrostrip 500P See Section 4 - Intumescent Seals and Section 8 - Hardware **Head:** 1No. 30x4mm exposed and fitted centrally in the frame head.

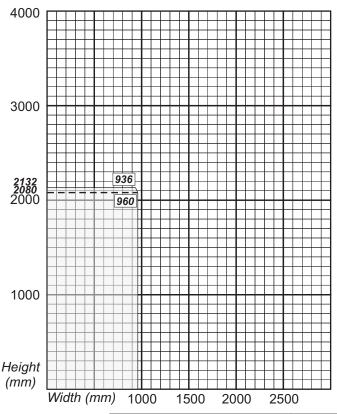
Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame

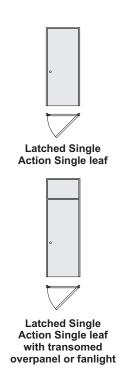
and separated by 10mm.

encased Pyrostrip 500P

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#### LATCHED DOORSETS





Configuration		Height (mm)	Width (mm)
Latched Single Action	From	2080	960
Single Door (LSASD)	То	2132	936
Latched Single Action	From	NOT APPROVED	NOT APPROVED
Double Door (LSADD)	То	NOTALTROVED	NOTALTROVED

Maximum Glazed Area See Section 6 - Glazing	Single door doorset Double door doorset	0.72m <sup>2</sup>	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification See Section 7 - Frames	Single door doorset	640kg/m³ Hardwood
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Pyrostrip 500P	<b>Head:</b> 2No. 15x4mm exposed and fitted centrally in the frame head and separated by 10mm. <b>Jambs &amp; Overpanel:</b> 2No. 15x4mm exposed and centrally fitted to the frame
See Section 4 - Intumescent Seals and Section 8 - Hardware	and separated by 10mm.  Meeting edges: NOTAPPROVED.





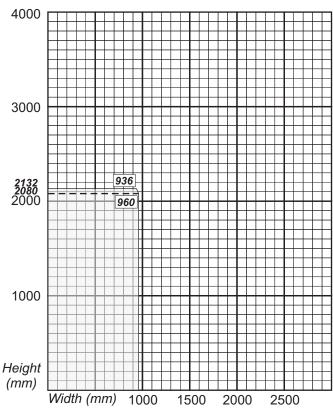
#### **Door Height Assemblies** Storey Height Assemblies with Transom 2x15x4 PVC encased Pyrostrip 500P

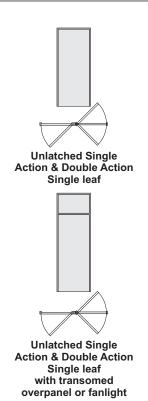


Rev.D

FD60 - BS476 Pt.22:1987

**UNLATCHED DOORSETS** 





Configuration		Height (mm)	Width (mm)
Unlatched Single Action Single Door (ULSASD)	From	2080 2132	960 936
. ,	To		
Double Action Single Door (DASD)	From To	2080 2132	960 936
Unlatched Single Action Double Door (ULSADD)	From To	NOT APPROVED	NOT APPROVED
Double Action Double Door (DADD)	From To	NOT APPROVED	NOT APPROVED

Maximum Glazed Area See Section 6 - Glazing Single door doorset Double door doorset	0.72m <sup>2</sup>	Maximum Overpanel height	Single door doorset Double door doorset	2000mm N/A	
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Frame Specification Single door doorset 640kg/m³ Hardwood See Section 7 - Frames

**Intumescent Seals** 

Pyrostrip 500P

2x15x4mm PVC encapsulated Head: 2No. 15x4mm exposed and fitted centrally in the frame head and separated by 10mm.

See Section 4 - Intumescent Seals and Section 8 - Hardware

Jambs & Overpanel: 2No. 15x4mm exposed and centrally fitted to the frame and separated by 10mm.

Meeting edges: NOTAPPROVED.