

Halspan Prima 60 3 Layer Particle Board Door-sets

MANN MCGOWAN
Advanced Intumescent Technology

This data sheet has been produced to assist joinery manufacturers using Halspan Prima cores to select the correct Mann McGowan® products when manufacturing fire resisting and smoke control doors.

Prima for FD 60 and FD 60(S) door-sets in timber frames

Door edge seal specification

Configuration	Position	FD 60	FD 60(S)
LSASD + ULSASD	Head	1no.100PSA 20 x 4	1no. 100PSSSA 20 x 4
	Jambs	1no.100PSA 20 x 4	1no. 100PSSSA 20 x 4
LSASD + ULSASD + DASD	Head	1no.100PSA 25 x 4	1no. 100PSSSA 25 x 4
	Jambs	1no.100PSA 25 x 4	1no. 100PSSSA 25 x 4
	Meeting Stiles Square	1no.100PSA 25 x 4	1no. 100PSSSA 25 x 4
	Meeting Stiles Rebated	2no. 100PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4
LSASD ULSASD DASD Extended Width	Head	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
	Jambs	2no. 100PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4
LSASD ULSASD DASD Extended Height	Head	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
	Jambs	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
LSADD ULSADD Extended Width	Head	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
	Jambs	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
	Meeting Stiles	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
	DADD Extended Height	Head	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4

			1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
	Jambs	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
LSADD + O/P	Head	1no. 100PSA 38 x 4 or 1no. 500PSA 38 x 4	1no. 100PSSSA 38 x 4 or 1no. 500PSSSA 38 x 4
	Jambs	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
	Jamb detail at over panel	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4
ULSASD + O/P	Head	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4
	Head detail at over panel	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4
DASD + O/P LSASD + O/P ULSASD + O/P DADD + O/P Extended Width-Height	Head	1no. 100PSA 38 x 4 or 1no. 500PSA 38 x 4	1no. 100PSSSA 38 x 4 or 1no. 500PSSSA 38 x 4
	Jambs	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
	Head detail at over panel	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4
	Jamb detail at over panel	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4
LSADD + O/P ULSADD +O/P	Head	1no. 100PSA 38 x 4 or 1no. 500PSA 38 x 4	1no. 100PSSSA 38 x 4 or 1no. 500PSSSA 38 x 4
	Jambs	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
	Meeting Stiles	2no. 100PSA or 500PSA 15 x 4 on 1 leaf and 1no. 100PSA or 500PSA 10 x 4 on other leaf	2no. 100PSA or 500PSA 15 x 4 on 1 leaf and 1no. 100PSSSSA or 500PSSSA 10 x 4 on other leaf
	Head detail at over panel	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4
	Jamb detail at over panel	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4

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DADD + O/P LSADD + O/P ULSADD + O/P DADD + O/P Extended Width	Head	1no. 100PSA 38 x 4 or 1no. 500PSA 38 x 4	1no. 100PSSSA 38 x 4 or 1no. 500PSSSA 38 x 4
	Jambs	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	1no. 100PSSSA 15 x 4 + 1no. 100PSA 15 x 4 or 1no. 500PSSSA 15 x 4 1no. 500PSA 15 x 4
	Head detail at over panel	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4
	Jamb detail at over panel	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4	2no. 100PSA 15 x 4 or 2no. 500PSA 15 x 4
	Meeting Stiles	2no. 100PSA or 500PSA 15 x 4 on 1 leaf and 1no. 100PSA or 500PSA 10 x 4 on other leaf	2no. 100PSA or 500PSA 15 x 4 on 1 leaf and 1no. 100PSSSA or 500PSSSA 10 x 4 on other leaf

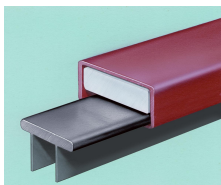
L = latched UL = unlatched SA = single action SD = single door DA = double action DD = double door OP = Overpanel

Pyrostrip® 100PSA and 100PSSSA Contains Palusol intumescent material

Pyrostrip® 500PSA and 500PSSSA intumescent material is formulated and manufactured under strict quality control by **Mann McGowan**® in our Aldershot factory

In FD60(S) applications - our **Flexifin-Twin** thermoplastic rubber smoke seal can be used in place of SS brush pile smoke seal if preferred.

Flexifin Twin has also been tested as an Acoustic seal to BS EN ISO 140-3 + 717-1



Glazing

Pyroglaze® 60 seals can be used on glazed apertures up to 0.82m²

Glasses include

6-7mm Pyroshield

6mm Pyran S

6mm Sureglaze Wired

10mm Pyrodur

11mm Pyroguard Clear

14mm Pyrobel

15mm Pyrostop

16mm Pyrobel

21mm Pyrobel

Ironmongery Protection

Hinge protection bedded on 1mm Interdens

Lock bodies strikes and lock forends must be bedded on 1mm Interdens

Door closers must be fitted with **Pyrohinge**® Intumescent pack

Lock strikes and lock forends must be bedded on **Interdens**

Face mounted flush bolts **Pyromas**®

Edge fixed flush bolts **Pyromas**® + **Pyrohinge**®

Floor Springs **Pyrohinge**® gasket set

Flush Bolts **Interdens**

Cable Way **Interdens**

Letter Plate Cut out/Boxes

Pyropost® Fire Resisting Letter Plates

Sealing to Structural Openings

Pyromas® A intumescent sealant

Availability

Pyrostrip®, **Pyroglaze**®, **Pyrohinge**®, **Pyromas**®, **Pyropost**®, **Palusol** and **Interdens** are available directly from **Mann McGowan**®. Please see below for contact details.

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