

Title

Field of Application for:
Halspan® Prima 30 Doorsets
Part 2: Steel or Aluminium based
frames

For 30 minutes Fire Resistance

Report No.:

FEA/F97174 Part 2 Revision J

Issue Date:

19th October 2022

Valid Until:

18th October 2027

Job Reference:

WF516654

Prepared for:

Halspan Ltd.

Regent House,
Regent Centre,
West Lothian,
EH49 7HU
United Kingdom

This field of application report FEA/F97174 Revision J is Part 2 of the suite of (Prima 30 Halspan) assessments, other parts of the suite address other doorset designs.

8 Intumescent

8.1 Essential Hardware protection

The intumescent materials tested and assessed for this doorset design are as follows:

Hardware Intumescent Specification		
Application	Location	Product/Manufacturer
Hinges	For Royde & Tucker 101 Hi Load lift off & Carillion/Neslo 4SI steel hinges, fitted under hinge blade on leaf side only	1mm Interdens – Dufaylite Developments Ltd. 1mm MAP paper – Lorient Polyproducts Ltd. 1mm Pyrostrip 300 – Mann McGowan 1mm Therm-A-Strip – Intumescent Seals Ltd. 1mm SLS-PAD-103 – Halspan Ltd
	For Halspan 30 HIN-BSS-104 steel & Zoo Hardware Ltd ZHSS243R Grade 13 stainless steel butt hinges, fitted under hinge blade on leaf side only	1mm Interdens – Dufaylite Developments Ltd. 1mm MAP paper – Lorient Polyproducts Ltd. 1mm Pyrostrip 300 – Mann McGowan 1mm Therm-A-Strip – Intumescent Seals Ltd. 1mm SLS-PAD-103 – Halspan Ltd.
	Alternative hinges as specified in section 10.4, fitted under hinge blade on leaf side only	2mm Interdens – Dufaylite Developments Ltd. 2mm MAP paper – Lorient Polyproducts Ltd. 2mm Pyrostrip 300 – Mann McGowan 2mm Therm-A-Strip – Intumescent Seals Ltd.
	For HAF SD4150H steel butt & Fireblock Steel hinges, fitted under hinge blade on leaf side only	2mm SLS-PAD-123 – Halspan Ltd. 2mm Graphite – Sealmaster Ltd.

Lock/latches	Not required for tubular latches with a forend of 57mm in height or smaller	-
	For R60 Halspan Lockset LCK-BSS-100, fitted under latch forend	1mm Interdens – Dufaylite Developments Ltd.
	Alternative latches/locks as specified in section 10.3, fitted under latch forend	1mm MAP paper – Lorient Polyproducts Ltd. 1mm Pyrostrip 300 – Mann McGowan 1mm Therm-A-Strip – Intumescent Seals Ltd.
	For Zoo Hardware ZDL0060LR lockset, fitted under latch forend	1mm SLS-PAD-110 – Halspan Ltd.
	For Union 2 lever mortise latch, fitted encasing latch body and under latch forend (single leaf and double leaf)	2mm Therm-A-Strip – Intumescent Seals Ltd
	For double doorsets only, fitted under latch forend if the forend exceeds 150mm up to the maximum assessed dimension	1mm Interdens – Dufaylite Developments Ltd. 1mm MAP paper – Lorient Polyproducts Ltd. 1mm Pyrostrip 300 – Mann McGowan 1mm Therm-A-Strip – Intumescent Seals Ltd. 1mm SLS-PAD-109 – Halspan Ltd. 1mm SLS-PAD-110 – Halspan Ltd 1mm Graphite – Seal Tight Solutions Ltd
Flush bolts	For Halspan LCK-MSC-205, Zoo ZAS03 & Eclipse J34620 flush bolts, fitted lining all sides of the mortices	1mm SLS-PAD-111 – Halspan Ltd. 1mm Graphite – Seal Tight Solutions Ltd
	For HAF SD4150FB, Halspan LCK-MSC-210, Devon 94.156.61 & Simplex SPX101 / SDS101 flush bolts, fitted lining all sides of the mortices	2mm Interdens – Dufaylite Developments Ltd. 2mm MAP paper – Lorient Polyproducts Ltd. 2mm Therm-A-Strip – Intumescent Seals Ltd. 2mm Therm-A-Flex – Intumescent Seals Ltd 2mm Graphite – Kilargo Seals

Note:

The seal specification for each configuration is contained in sections 4.5.4.1 to 4.5.8.2.