
Title:

Field of Application for:
Falcon Stredor® 54 Doorsets

For 30 & 60 Minutes Fire
Resistance

Report No:

WF377027 Revision A

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428330

Prepared for:

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9 Intumescent

9.1 Essential Hardware Protection

The intumescent seals for hardware protection tested and assessed for this doorset design are as follows:

Hardware Intumescent Specification		
Application	Location	Product & Manufacturer
Hinges	Under hinge blades	1mm thick STS graphite – Sealed Tight Solutions Ltd 2mm thick Therm-A-Flex – Intumescent Seals Ltd 2mm thick Pyroplex graphite – Pyroplex Ltd 2mm thick Interdens 2mm thick MAP – Lorient Polyproducts Ltd
Top pivots, bottom straps	Lining all sides of strap mortices:	2mm thick Interdens 2mm thick MAP – Lorient Polyproducts Ltd
Locks/Latches	Under forend & keep, & encasing lock/latch body	1–2mm thick STS graphite – Sealed Tight Solutions Ltd 2mm thick Therm-A-Flex – Intumescent Seals Ltd 2mm thick Pyroplex graphite – Pyroplex Ltd 2mm thick Interdens 2mm thick MAP – Lorient Polyproducts Ltd
Hook boxes	Encasing hook box body	1mm thick STS graphite – Sealed Tight Solutions Ltd
Electric motor	Encasing body	1mm thick STS graphite – Sealed Tight Solutions Ltd
Flush bolts	Under flush bolt keep & lining flush bolt rebate in leaf	2mm thick Pyroplex graphite – Pyroplex Ltd 1mm thick STS graphite – Sealed Tight Solutions Ltd 2mm thick Interdens 2mm thick MAP – Lorient Polyproducts Ltd
Cableway	Lining whole of cableway	1mm thick graphite – Sealed Tight Solutions Ltd
Cable loop	Under forend, Lining base of cable loop, & encasing Body	ST302 2mm thick graphite – Sealed Tight Solutions Ltd

Concealed closer	Lining closer rebate	2mm thick manufacturer supplied graphite kit – Rutland UK
Eye viewer	Around diameter of hole	1mm thick graphite – Sealed Tight Solutions Ltd
Letter plate	Lining outer edges	2mm thick graphite – Sealed Tight Solutions Ltd
	Lining inner edges	1mm thick graphite – Sealed Tight Solutions Ltd

9.2 Door Perimeter Intumescent Seal

Tested and permitted intumescent seal is as specified in section 4.5 for all permitted door configurations.

The Intumescent seals may be provided with or without pile or elastomeric fins in order to provide additional performance i.e. smoke or acoustic control. Seals may be installed with the additional features, it is beyond the remit of this assessment to discuss likely acoustic or cold smoke control performance.

Other variations of the tested intumescent seals are available and are considered acceptable (see diagram below).

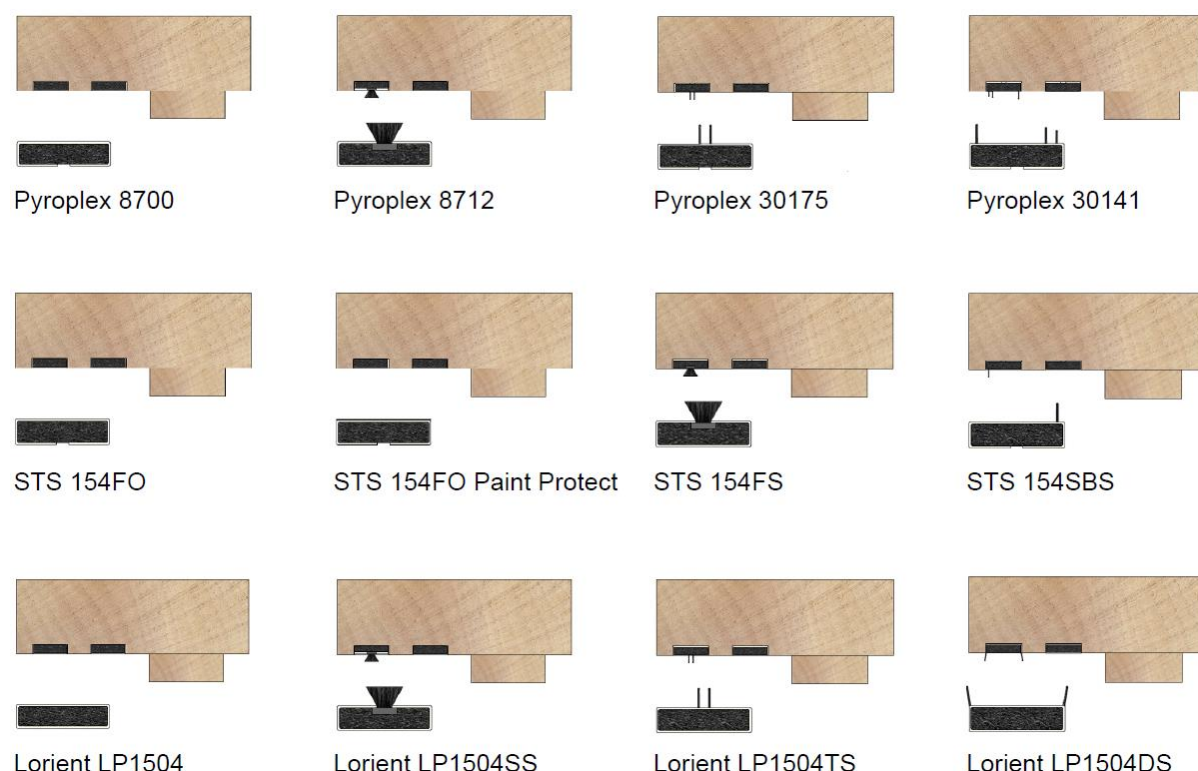


Figure 9.1 – Alternative intumescent seals with additional features