
Title

Field of Application for:
Moralt Laminesse FireSound
54mm & 59mm Doorsets
For: 30 or 60 Minutes Fire
Resistance
Proprietary Information redacted.

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WF409922 Revision B

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Prepared for:

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10.2 Intumescent to Hardware

The intumescent materials used to protect hardware that have been tested and assessed for this doorset design are detailed below. Note that any one of the product/manufacturer options listed in the table may be used in the specific application noted. However, only 1No manufacturer should be considered per doorset application.

The door gap perimeter intumescent seal specifications are documented in conjunction with the leaf envelope size limitations in section 4.4. Intumescent specifications apply equally to 30 and 60 minute applications unless otherwise stated.

Item	Location	Product/Manufacturer
Hinges	Under all hinge blades	1. 1mm Interdens – Dufaylite Developments Ltd. 2. 1mm MAP paper – Lorient Polyproducts Ltd. 3. 1mm Pyrostrip 300 – Mann McGowan Ltd. 4. 1mm Therm-A-Strip – Intumescent Seals Ltd. 5. 1mm ST60 Graphite gasket material - Sealed Tight Solutions Ltd
Lock/latches	Under forend & keep and encasing/protecting latch body for all configurations	
Concealed overhead closers	Encasing the entire body of the concealed closer and slide arm including the back surface of the face plate	See section 10.7.2
Concealed Hinges	Lining rebates in leaf and frame for hinge bodies	1mm thick gasket set - Mann McGowan Kit ref: MMG567
Cableways and cable loop	See section 10.9.11 for details	
Flush bolts	Encasing the entire body of the flush bolt including the back surface of the face plate	1. 2mm Interdens – Dufaylite Developments Ltd. 2. 2mm MAP paper – Lorient Polyproducts Ltd. 3. 2mm Pyrostrip 300 – Mann McGowan Ltd. 4. 2mm Therm-A-Strip – Intumescent Seals Ltd. 5. 2mm ST60 Graphite gasket material - Sealed Tight Solutions Ltd
Dropseals	Fitted to the top face of the drop seal	



Example of hinge protection detail



Example of lock & latch protection detail

Gaskets must be fitted where required by supporting evidence, for example, test evidence or Certifire certificates. If gaskets are not required by the supporting evidence but are within this Field of Application, the requirements of this Field of Application take precedence.

Where it is stated that intumescent is not required for a particular element of hardware, it is permitted to use up to 2mm thick MAP, Interdens or graphite-based gasket tested for the particular application [as appropriate for the hardware]. It is the opinion of Warringtonfire that the additional protection will not detract from the fire resistance performance under test conditions.

Within the following hardware sections references are given to Mann McGowan and/or Moralt intumescent packs for specific hardware items which may be used in preference to the details above.