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Title

Field of Application for:

The ESD Ac43 30 & 60 minute range of doorsets in timber based door frames

For 30 & 60 minutes Fire Resistance

Report No.:

BMT/CNA/F14098 Revision B

Issue Date:

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Job Reference:

WF543216

Prepared for:

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The version/revision stated on the front of this Field of Application supersedes all previous versions/revisions and must be used to manufacture doorsets from the stated validity date on this front cover. Previous revisions of the Field of Application cannot be used once an updated Field of Application has been issued under a new revision.

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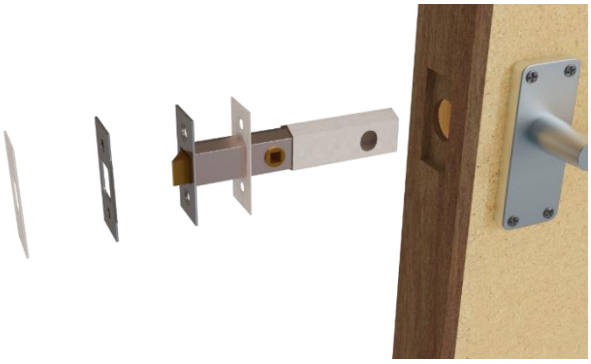
10.2 Intumescent to Hardware

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.

Hardware Intumescent Specification		
Item	**Location**	**Product/Manufacturer**
Hinges	Under each blade of the hinge.	1.5 (t) Norseal Graphite
Lock/latches	Under forend & keep and encasing the latch body within the leaf.	1 (t) Interdens ®
Handles & escutcheons	Lining the footprint of the handle and escutcheon.	1 (t) Interdens ®
Flush bolts	Encasing the entire body of the flush bolt including the back surface of the face plate	1 (t) Interdens ®

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.