

Fire Resistance Assessment of:

Moralt Laminasse FireSound 44mm
Doorsets for:
30 Minutes Fire Resistance

WF Report No:

CNA/F14274 Revision B

WF Contract No:

WF421105

Prepared For:

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Germany

Valid From:

9th December 2019

Valid Until:

9th December 2024

13 Intumescent Materials

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

Application	Location	Product/Manufacturer
Edge seals	Fitted in the frame jambs or leaf edges	1. PVC encased Type 617 – Lorient Polyproducts Ltd 2. Rigid Box Seals – Pyroplex Ltd 3. Odice S.A.S.
Hinges	Under both hinge blades	1. 1mm Interdens – Dufaylite Developments Ltd 2. 1mm MAP paper – Lorient Polyproducts Ltd
Lock/latches	Under forend and keep	3. 1mm Pyrostrip 300 – Mann McGowan 4. 1mm Therm-A-Strip – Intumescent Seals Ltd 5. G30 – Intumescent Seals Ltd
	Encasing Latch Body	Not required
Top pivots & flush bolts	Lining all sides of the mortices	1. 2mm Interdens – Dufaylite Developments Ltd 2. 2mm MAP paper – Lorient Polyproducts Ltd 3. 2mm Pyrostrip 300 – Mann McGowan 4. 2mm Therm-A-Strip – Intumescent Seals Ltd 5. 2mm Therm-A-Flex – Intumescent Seals Ltd 6. 2mm Flexilodice Graphite – Odice S.A.S

The seal specification for each doorset configuration is contained in appendix C.

14 Adhesives

The following adhesives must be used in construction.

Element	Adhesive Type
Timber lippings	Details held on file, in confidence, at Warringtonfire
Inner Core to Outer Core	
Outer Core Layers	

15 Hardware

15.1 General

The following sections detail the scope and constraints for fitting hardware to the door design.

The following items of hardware must also bear the CE mark: locks and latches (EN 12209), electro mechanically operated locks (EN 14846), single axis hinges (EN 1935), controlled door closing devices (EN 1154), electrically powered hold open devices (EN 1155), door co-ordinators (EN 1158), emergency exit hardware (EN 179), panic exit hardware (EN 1125).