



THERM-A-HINGE

Product Data Sheet

Introduction

Ironmongery such as locks latches and hinges are essential components of many fire door sets with ratings over FD30. Whilst essential for the operation of the fire door set such ironmongery introduces weaknesses to the door's overall performance unless some additional protection is applied over and above that afforded by the normal intumescent door edge seals. The performance weakness is due to premature burn through at ironmongery positions and at the upper and mid height hinge positions in particular. This has been recognised officially in BS8214:2008. THERM-A-HINGE offers a tailored solution to the problem by providing a pre-sized backing pad of intumescent material for fitting behind the hinge blades.

Description

THERM-A-HINGE intumescent pads are produced from either from THERM-A-FLEX material to complement the protection offered by INTUMESCENT SEALS edge seals such as THERM-A-SEAL and THERM-A-STOP or from THERM-A-STRIP material where a lower level of intumescent expansion pressure is required. Both of these THERM-A-HINGE products are available made from 1mm or 2mm thick material and are supplied with self adhesive tape on one side as standard.

Application

THERM-A-HINGE pads are fitted under each blade of the hinges of fire doors of FD60 specification and above. The rebates in the frame and leaf are cut deeper to accommodate the pad thickness i.e. 1 or 2mm. Fixing screws can be simply driven through the intumescent material.

Performance

THERM-A-HINGE pads make a critical contribution to the fire resistance of fire door sets of FD60 specification and above.

Availability

THERM-A-HINGE pads are available in the following standard sizes:

THERM-A-FLEX 32mm x 1mm x 100mm
THERM-A-FLEX 32mm x 2mm x 100mm
THERM-A-FLEX 36mm x 1mm x 100mm
THERM-A-FLEX 36mm x 2mm x 100mm
THERM-A-FLEX 48mm x 1mm x 100mm
THERM-A-FLEX 48mm x 2mm x 100mm

THERM-A-STRIP 32mm x 1mm x 100mm
THERM-A-STRIP 32mm x 2mm x 100mm
THERM-A-STRIP 36mm x 1mm x 100mm
THERM-A-STRIP 36mm x 2mm x 100mm
THERM-A-STRIP 48mm x 1mm x 100mm
THERM-A-STRIP 48mm x 2mm x 100mm

Test Evidence

The fire performance of THERM-A-HINGE has been proven in fire tests of several fire door set configurations to BS476-22:1987.

Contacting Us

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Intumescent Fire Seals Association



* Colours may vary slightly between examples illustrated in print, online and actual examples - which will depend upon lighting conditions in situ.