

Therm-A-Plate

Part of the Dixon
International Group Ltd
www.dig.co.uk

Introduction

Entrance doors to flats and apartments in multi-storey buildings are commonly required to be fire resisting to 30 or sometimes 60 minutes. As these doors generally provide the primary or often only access, many have apertures cut in them to serve as letter boxes. Such apertures clearly compromise the fire integrity of the door. THERM-A-PLATE provides a simple solution to this problem by providing a lining kit for both FD30 and FD60 specification doors.

Description

THERM-A-PLATE consists of a kit of 4 pre-formed sections of THERM-A-FLEX graphite based intumescent. The sections are supplied pre-cut to the correct width for 45mm and 54mm thick fire door leaves. The intumescent sections are backed with self adhesive tape for ease of installation. The pre-cut sections are supplied in appropriate thicknesses to suit the required aperture size.

Application

THERM-A-Plate is installed by lining the letter box aperture with pre cut sections of the appropriate width, typically 45mm for FD30 fire doors and 54mm for FD60 fire doors. For small letter plate apertures up to 50mm high, 4mm thick intumescent sections are used. For deeper sections up to 120mm high 6mm thick intumescent sections are used. For the largest 120mm x 300mm apertures the intumescent sections are additionally fixed with 4no. 30mm x 1.5mm steel pins at 50mm from the aperture ends and 10mm from the door faces.

The intumescent sections may be trimmed to suit the exact aperture size. It is recommended that metal letter plates (not supplied) are included in accordance with the appropriate code of practice BS8214:2008.

Performance

THERM-A PLATE intumescent kits provide a critical contribution to the fire resistance performance of fire door sets of 30 and 60 minutes construction.

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Availability

THERM-A-PLATE kits are available in the following standard sizes:

Aperture	FD30	FD60
50mm x 250mm	LPTA45	LPTA54
85mm x 250mm	LPTC45	LPTB54
120mm x 300mm	LPTC45	LPTC54

Test Evidence

THERM-A PLATE kits performance has been proven in full scale fire resistance tests BS476-20:1987 on fire doors of 30 & 60 minutes construction.

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.