



HSP FIRE PROTECTION

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ENVIROGRAF® PRODUCT 42 HW INTUMESCENT COATING SYSTEM FOR UPGRADING FLAT PANELLED AND RAISED AND FIELDLED PANELLED DOORS TO 30 MINUTE FIRE PROTECTION

INTRODUCTION

The thickness of the rails and stiles must be at least 30mm and the panels should be at least 10mm thick to be upgraded with Envirograf HW02 Clear system or HW01 Paint System. THE COATINGS SHOULD BE APPLIED TO BOTH SIDES OF THE DOOR.

Doors with flat panels less than 10mm thick use Envirograf Product 38 carded or veneered intumescent material. The above refers to solid wooden doors; hollow doors cannot be upgraded

PREPARATION

Before coating ensure surface is sound, clean, dry and free from dirt, grease etc. Sand down to provide a key.

PAINTED DOORS

On previously coated doors apply 1 coat HWAP/WB Adhesion primer clear at 12m²/litre.

Apply 2 coats HW01/F White Intumescent coating at 8m²/litre per coat.

Apply 1 or 2 coats HW04/TCO Premier matt or satin in selected colour at 10m²/litre per coat.

VARNISHED DOORS

On previously coated doors apply 1 coat HWAP/WB Adhesion primer clear at 12m²/litre.

On bare oak apply 1 coat ES/VFR/PO Sealant prior to the application of HW02/E

Apply 2 coats HW02/E Clear intumescent coating at 8m²/litre per coat

Apply 1 or 2 coats HW03 Superb Clear Topcoat matt or satin at 12m²/litre per coat

NOTES

All Fire Doors must be fitted with Intumescent seals.

Envirograf® Product 100 - Fire & Smoke Seals for rebated doors.

Envirograf® Product 69 - Surface Mounted Fire & Smoke Seals for around the frames (No routing necessary).

Envirograf® Product 71 - Door locks, hinges etc must be fitted with Intumescent Hinge, Lock and Closer protection

The above method will upgrade suitable doors to 30 minute fire rating to achieve compliance with BS476 Part22.

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