

PRODUCT DATA

Date: APRIL 1999

Code: 01120/20

Evo-Stik Intugard Sealant

Intumescent Sealant for Fire Resistant Doors

Features

- Tested to BS476 : Part 8 : 1972 to assist fire doors to achieve half hour or one hour fire resistance as appropriate.
- Easy to apply.
- Can be overpainted.
- Contains no solvent - safe in use.
- Gives a superior smooth finish.

Evo-Stik Intugard is a specially developed paste for placing by gun in grooves in the edges of doors or door frames. When the gap between the door and frame is subjected to heat, Evo-Stik Intugard intumesces so that the gap is sealed to the passage of hot smoke and flame for a period consistent with the fire resistance rating of the door.

As Evo-Stik Intugard can be sanded and overpainted the final appearance of the door is far superior to solid strip methods of fire resistance.



Uses

Evo-Stik Intugard can be used in the following areas:

In fire resistant door set construction. Evo-Stik Intugard is extruded into grooves, 10 mm wide x 3 mm deep, cut in the frame or door edge.

One groove for a 'half hour door' and two grooves for a 'one hour door' is the normal recommendation for fire resistant doors constructed to satisfactory standard in other respects.

The intumescent properties have also proved very useful in connection with the use of Evo-Stik Intugard as a bedding compound for metallic door furniture.

Upgrading of doors to fire resistant standard.

Ordinary panel doors can be upgraded to a half hour resistant standard by filling in the panels with plaster board, bonding 4 mm plywood to both faces and placing Evo-Stik Intugard in a 10 mm wide x 3 mm deep continuous groove around the sides and top door edges.

Shelf Life

At least 6 months when stored in a dry place within the temperature range 5°C-30°C.

Packaging

C20 cartridges in cartons of 12.

Constitution

Evo-Stik Intugard is a vinyl emulsion with intumescent agents.

Colour

White.

Quantity Guide

Allowing for normal wastage, the contents of each cartridge is sufficient for approximately 6 m x 10 mm x 3 mm groove.

Performance

Adhesion: Excellent to cut timber and steel.

Shrinkage: Negligible.

Drying Time:

24 to 48 hours under good drying conditions.

Movement Accommodation: None.

Life Expectancy:

Indefinite provided it remains intact and is not exposed to water.

Certification

Assessed to BS476 : Part 8 : 1972 in assemblies, giving half hour or one hour fire resistance as appropriate.

Method of Use

IMPORTANT

Before embarking on any work involving Evo-Stik Intugard, the section headed 'Precautions in Use' and the separate Safety Data Sheet must be carefully studied by those carrying out the work.

Surface Preparation

Evo-Stik Intugard should be applied to clean, dry freshly cut grooves in the timber. Metal components, e.g. door furniture, should be wiped with a clean absorbent cloth to remove any residual grease or dust.

Application

Prepare 10 mm wide x 3 mm deep grooves in the frame or edge of the door.

Ensure that Evo-Stik Intugard has been stored within the temperature range stated, so that it will be easy to extrude and apply.

Cut the cartridge nozzle at the point required to provide a suitable diameter of bead of paste. Cut off the dome at the top of the cartridge without damaging the thread and screw the nozzle onto it.

Fit the cartridge into the caulking gun and extrude the sealant into the groove. Ensure that Evo-Stik Intugard is forced into the groove so that the surfaces are completely wetted and no voids or gaps are left.

An excess of Evo-Stik Intugard should be left proud of the timber surface, about 2-3 mm, to allow for shrinkage on drying.

Produce the correct shape by forcing the bead into the groove with a profiled scraper.

When dry, (after approx. 24 hours) sand the surface of Evo-Stik Intugard flush with the timber. Any small defects can be made good by brush applying Evo-Stik Intugard to which some water has been added. This can normally be sanded after about 90 minutes drying.

The filled groove and door edge may be painted with a two coat alkyd decorative system or varnished with a clear alkyd-based varnish without impairing the performance of the seal in a fire situation.

Limitations of Use

Evo-Stik Intugard will not accommodate joint movement nor is it suitable for external use.

Protect with paint if exposed to condensation.

Precautions in Use

Evo-Stik Intugard does not present any particular hazard during use. Nevertheless, should skin contact occur, wash thoroughly with soap and water before the material dries. If the material has dried, use a hand cleanser. Do not use solvent.

Should the material be swallowed, seek medical advice. In the event of contact with eyes, irrigate with water and seek medical advice.

Storage

Store in a dry place within the temperature range 10°C-30°C. Protect from frost.

Spillage and Disposal

Scrape up spill sealant and reserve for disposal. Emptied cartridges and waste sealant are not classified as 'Special Waste' as defined by the Special Waste Regulations 1996 and may be disposed of as general waste.

Services

This Product Data Sheet covers just one of a large range of products manufactured by Evode Limited. Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department.

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