

Intumescent Glazing U Channel - Installation Guide



Introduction

The purpose of this document is to give guidance to approved contractors and suppliers who are engaged in the fire stopping of glazing using the astroflame intumescent glazing u channel

All apertures in fire rated structures must be fire stopped to prevent the passage of fire, smoke and hot gases. The key points for intumescent passive fire protection products are :-

- Prevent the spread of fire, smoke and hot gases through a building by containing it in the compartment of origin.
- Maintain the integrity of escape routes from a building.
- Reduce loss or damage to property from the effect of fire and smoke.
- Maintain pressure differential between compartments and ventilation channels.

THE ASTRO U Channel SYSTEM

ASTROflame Intumescent Glazing U channel is a Cost effective, easily installed wrap around flexible dry glazing gasket for use in fire doors using clear or wired glass. Elastic composition of the channel grips the glass.

Meets appropriate BS and Building Regulation standards.

When using wired or fire resistant glass, the glazing system should be able to withstand the effects of fire for as long as the glass. The ASTROflame Intumescent Glazing u channel will help to provide an effective flame and smoke seal despite degradation of the glass and framing materials.

This product has been tested in a typical fire door construction to BS 476 part 22:1987.

The advantages of the ASTROflame Intumescent Glazing u channel are as follows:-

- Impervious to water and moisture
- Not affected by fungus, vermin or rodent .
- Easy installation and long life
- Acoustic isolation

- Robust -non flaking and difficult to tear
- Boxed singular
- Storage Life At least 36 months at 5oC to 25oC
- Fire Barrier: Half Hour To BS 476 Part 22

Availability

15mm tall 10.5mm wide and supplied in 5, 25 or 100 Metre lengths.
Colour - Black

Installation

Installation

All surfaces should be clean, dry, frost free and free from oil, grease and other contamination.

Normal glazing techniques should be employed when glazing internal fire screens, with particular attention being paid to the type and location of setting blocks to ensure glass does not drop in the event of a fire, giving passage for smoke etc. Any beads should be bedded on ASTROflame Intumescent Acrylic Mastix which should also be applied between the edge of the glass and the base of the rebate.

Apply the U channel from the roll to clean, dry and dust free substrates and rest the glass into the channel: mitre at corners by cutting the channel with a sharp knife or scissors.
The bead should then be secured in place, with screws, as per the fire door manufacturers instructions.

Best applied at temperatures above 4 deg C. If required, glazing blocks to be used following the requirements of BS6262.

Compliance

Astroflame Intumescent Glazing U Channel is manufactured in the EU, meeting the highest quality standard in compliance with ISO EN 9001:2000 . For fire test certification contact Astroflame Fireseals technical department.

Fire Test or Assessment Reports

BS 476 Part 22 .

Storage and disposal

Astroflame intumescent glazing u channel is recommended to be stored indoors. No shelf life is given as this product will not deteriorate in storage.

For additional testing, certification or technical information please contact ASTROFLAME FIRESEALS LTD.

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