



Never compromise on quality!

FIRESHIELD AC

Intumescent Acoustic Acrylic Sealant

Description

A high performance, flexible acrylic building sealant and adhesive which, in the event of fire, will swell to provide a smoke resistant barrier. Up to 4 hour fire rating achievable.

A solvent-free, ready to use sealant, tested to the following specifications:

-BS EN 1366-3: 2004 & BS EN 1366-4: 2006 achieving 4 hour integrity and insulation rating for a range of linear and penetration seals.

-An indicative fire test based on BS476 Part 20 achieving a 4 hour fire rating (integrity) for a range of vertical and horizontal joints up to 35mm wide between various non-combustible construction materials. A 1 hour fire rating (integrity) was achieved for a range of vertical joints up to 25mm wide between combustible materials (timber).

-BS EN ISO 140-3: 1995 Measurement of Airborne Sound Insulation of Building elements. The sealant maintained the integrity of a plasterboard partition wall with a Sound Reduction Index of 55dB.

Uses

FIRESHIELD AC is specially manufactured to form an acoustic and fire rated intumescent barrier in construction applications.

When subjected to heat Bond It **FIRESHIELD AC** swells (intumesces) to provide an inert barrier to smoke and flame.

The fire resistance achievable with Bond It **FIRESHIELD AC** depends upon the joint design, depth of sealant and substrates being sealed. See detail overleaf.

It is non-slumping and rapid skinning. It can also be overpainted within 1 hour with fire resistant paint.

Application

All surfaces to be sealed must be clean, dry and free from grease, laitence or dust that may hinder adhesion.

Apply Bond It **FIRESHIELD AC** over a polyethylene

backing rod to a minimum depth of 12.5mm. When applying the sealant, ensure all crevices are filled and there is complete contact between sealant and substrate. Tool down using a wetted spatula. Any excess may be removed using soapy water before **FIRESHIELD AC** dries.

Do not apply in damp conditions.

Limitations

FIRESHIELD AC is not suitable in joints where movement exceeds + or - 15% of joint width, or in external joints.

Container Size

EU3 and EU9 cartridges.

Storage Conditions

Store in cool dry conditions between 5-15°C
Protect from frost.

Storage Life

Minimum 12 months in unopened cartridge.

Disposal of Containers

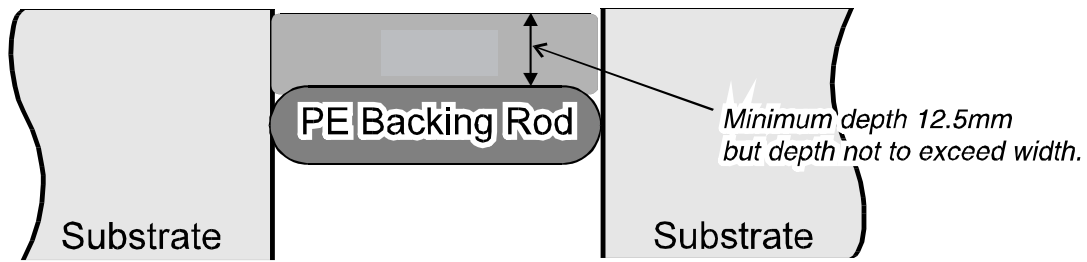
Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

Health & Safety

- ◆ Low hazardous product - safe in normal use.
- ◆ Avoid eye contact.
- ◆ Avoid prolonged contact with skin.
- ◆ Thoroughly wash hands with soap and water after use.
- ◆ Keep out of reach of children.
- ◆ Some people are more sensitive to chemical products than others. If irritation occurs discontinue use.
- ◆ See separate material safety data sheet for full handling, use and storage.

Joint Design: BOND IT Intumescent Acrylic Sealant (IA10)

THIS FACE EXPOSED TO RISK OF FIRE



Specification Summary

Appearance	Viscous paste, hardening by evaporation of water to a plastic/elastic solid
Flammability	Non flammable
Flashpoint (°C)	N/A - waterbased
Specific Gravity	1.59 - 1.63
pH	7.9 - 8.3
Solubility (water)	Miscible when uncured

Container Sizes:

Code:	BDFWH9	BDFWH
Colour:	White	White
Size:	830ml	EU3
Barcode:	5060021364616	5060021365187

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.