



Never compromise on quality!



FS4 FIRESHIELD AC

Intumescent Acoustic Silicone

Technical Data Sheet



PREMIERE SILICONE & SEALANT RANGE

CLASS
EN11366-3, EN1366-4,
EN ISO10140-2

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 EN1366 3:2009 achieving 4 hours integrity and 2 hours insulation for a range of penetration seals through plasterboard partitions (steel and copper piping up to 100mm diameter) & BS EN1366-4:2006 achieving 4 hour integrity and insulation rating for a range of linear joints. **Please note that this material has not been tested for perimeter sealing around wooden door frames.**

BS EN ISO 10140-2:2010. 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. Suitable for sealing interior linear joints in floors, ceilings, dry lining systems partition walls, plasterboard and suspended ceilings in interior situations. Also suitable for penetration seals with steel and copper pipes through plasterboard. See test reports to see suitable approved substrates.

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. Details of fire testing are available on request.

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

Application

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

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 - 12.5% of joint width, or in external joints. This product is NOT for use around fire doors.

Container Size

EU3 and EU9 cartridges and 600ml foil sausages (white only).

Shelf Life

12 months from date of manufacture when stored in original unopened cartridge.

Storage Conditions

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

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

Please refer to separate material safety data sheet for full handling, use and storage instructions. Keep out of reach of children. It is the users responsibility to determine suitability for use. If in doubt contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control. It is recommended that users make their own tests to determine suitability.

Specification Summary

Appearance	Viscous paste, hardening by evaporation of water to a plastic/ elastic solid
Flammability	Non-flammable
Tack Free Time	15 mins - 1 hour dependent on ambient conditions
Specific Gravity	1.60 - 1.66
Application Temperature	5-40°C
Service Temperature	-20 to +70°C
Solubility (water)	Miscible when uncured
Slump Resistance	<3mm
Elongation To Break	60%
Burn Time	4 hours



Product / Order Details:

Code	Colour	Size	Barcode
BDFWH9	White	EU9	5060021364616
BDFWH	White	EU3	5060021365187
BDFS4WH6	White	600ml	5056437400314



Part of the Bond It Premiere Silicone & Sealant Range



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.



Certificate Number:
6152
ISO 9001; ISO 14001;
ISO 45001



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