



# FS4 FIRESHIELD AC

## Intumescent Acoustic Sealant

### Technical Data Sheet



#### PREMIERE SILICONE & SEALANT RANGE

#### 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.*

#### Features & Benefits:

- ◆ Solvent-free - non-hazardous.
- ◆ 4 hour fire rating.
- ◆ Permanently flexible.
- ◆ Rapid drying.
- ◆ Overpaintable within 1 hour.
- ◆ Non-shrinking.
- ◆ For interior use.

#### Specification Tests:

**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

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 FIRESHIELD AC swells (intumesces) to provide an inert barrier to smoke and flame. The fire resistance achievable 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.

#### Limitations

FIRESHIELD AC is not suitable in joints where movement exceeds +/-12.5% of joint width, or in external joints. This product is NOT for use around fire doors.

#### Preparation

All surfaces must be clean, dry, sound and free from dust, oil or any other contaminants that may hinder adhesion.

#### Application

Apply using a standard sealant gun with the nozzle cut at an angle of 45°, and to an opening slightly larger than the joint to be sealed. When applying the sealant, ensure all crevices are filled and there is complete contact between sealant and substrate. Tool down using a wetted spatula or SEALANT APPLICATOR TOOL. Any excess may be removed using soapy water before FIRESHIELD AC dries. Do not apply in damp conditions. Remove any excess product with a damp cloth.



#### Coverage

Depending upon substrate condition and porosity approximately 10 linear metres with a 6mm bead per cartridge.

#### Colour

Available in white only.

#### Size

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

#### Shelf Life

Minimum 12 months from date of manufacture when stored in original, unopened cartridges.

#### Storage Conditions

Store in cool, dry conditions at a temperature between +5°C and +25°C. Protect from frost and direct sunlight.

#### 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 safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is

the user's 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.**

## Specification Summary

Tooling Time	5-10 minutes
Skin Time	15 mins - 1 hour dependent on ambient conditions
Application Temperature	+5°C to +40°C
Service Temperature	-20°C to +70°C
Elongation At Break	60%
Solubility (water)	Miscible when uncured
Slump Resistance	<3mm
Burn Time	4 hours
Density	1.60-1.66g/cm <sup>3</sup>
Commodity Code	3214101000

## Product / Order Details

Code	Colour	Fill	Barcode	UFI
BDFWH9	White	830ml	5060021364616	-
BDFWH	White	285ml	5060021365187	-
BDFS4WH6	White	600ml	5056437400314	-



## Part of the Bond It Silicone & Sealants Range

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**Note:** The data presented in this leaflet is in accordance with the present state of our knowledge, but does 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.



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