

Technical Data Sheet

BS-2660 Firesil Sealant



Features

- ◆ 4-Hour Fire Rating (BS EN 1366-4: 2006)
- ◆ Smoke, Fume And Water Resistant
- ◆ Easy Clean Up with Water

Available Colors

- ◆ White
- ◆ Grey
- ◆ Red

Packaging

- ◆ 450 gm (cartridge)~24/carton
- ◆ 900 gm (sausage)~20/carton
- ◆ 15 kg (pail)

Storage

- ◆ Store in a dry and cool place with temperature below 30 °C.
- ◆ Use within 24 months from date of production.

Product Specification

Base	: Acryl Emulsion
Appearance	: Soft Paste
Curing System	: Water Evaporation
Density	: 1.46 g/mL
Solid content	: 80 %
Maximum Tensile Strength (ASTM D412)	: 0.5 N/mm
Elongation at Break (ASTM D412)	: 100%
Shore A Hardness (ASTM C661)	: 39
VOC Content (USEPA Test Method 24)	: 3.96 gm/L
Working Time (at 25 °C & 50% R.H.)	: <10 Minutes
Application Temperature	: 5 °C to 40 °C
Service Temperature	: -10 °C to 75 °C

Description

A one-component, water-based acrylic firestop sealant that provides movement capability for fire-rated joint applications. It has four hours fire rating under BS EN 1366-4: 2006. It is almost odor free and is not corrosive towards metals. After drying, it forms a tough elastic seal.

Applications

Indoor joints with fire retardant requirements (joints between walls and ceiling, joints around pipe and cable work, perimeter sealing of fire rated doors and windows). It has good adhesion on most construction materials (concrete, bricks, painted wood, aluminium, etc.).

Application Direction

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
3. For a neat finish, apply masking tape and remove it before sealant skins over.
4. Cut nozzle at 45° angle to desire bead-width and apply to substrate with cartridge gun.
5. Tool the sealant within 10 minutes of extrusion before it skins.
6. Allow to dry for one hour before applying water-based paint and 24 hours for oil-based paint.
7. Uncured sealant can be cleaned up with damp cloth.

Clean Up

- ◆ Wet sealants can be cleaned up with acetone or mineral spirits.
- ◆ Cured sealants can only be removed mechanically.



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Joint Design

- ♦ The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.
- ♦ Minimum bead size should not be less than 3 mm to accommodate movement.
- ♦ Sealant design joint width-to-depth ratio should be 2:1.

Limitation

- ♦ Among others not recommended for continuous water emersion and not for PE, PP, Teflon and bituminous surfaces.
- ♦ Painting over with highly filled emulsion paints can cause cracks in paint film.

Caution

Keep out of reach of children. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

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