

Fireblock XT

Description

Selleys Fireblock XT is an intumescent fire and acoustic rated, high performance SMP Sealant.

NOTE: Prior to application of fire rated products, consult with the project fire certifier or engineer to ensure compliance with certification requirements.

Product Information

Packaging	Size	Colour
Sausage	600ml	Grey

Uses

This fire and acoustic rated joint sealant has high UV resistance and can be used indoors and outdoors on most surfaces.

External and internal, non-trafficable control joints in concrete, masonry, AAC and brick fire rated construction.

Acoustic sealing between most common building materials such as concrete, masonry, aerated concrete, plasterboard, fibre cement, metals, timber, and plastic as part of a suitable design.

Installation over a wide temperature range

Features

- Fire rated up to 4 hours according to AS1530.4-2014
- Will not degrade the acoustic performance of building elements rated up to 60Rw.
- Contains UV indicator.
- Primerless adhesion to concrete and most building materials. No primer required.
- Adhesion to wet surfaces
- Better curing (>5°C) and non-bubbling compared to a traditional Polyurethane sealant.
- Better extrudability (>5°C) compared to a traditional Polyurethane sealant.
- No slump
- Paintable
- Low VOC
- Solvent, Isoyanate and Carcinogen Free

Technical Details

Property	Typical Result
Technology	Moisture curing silyl-modified polymer (SMP)
Colour	Grey
Density	1.5
Application Temperature	5 to 40 °C
Tooling Time (25°C)	30min approx.
Skin Time (23°C, 50% R.H.)	50 mins approx..
Cure rate (23°C, 50% R.H.)	2 – 3mm per day
Tensile Strength (DIN 53504)	1.2MPa
Shore A Hardness (DIN 53505)	30 - 35
Elongation at Break (ASTM D412)	300% approx..
Modulus at 100% Elongation (ASTM D412)	0.67 MPa
Movement Capability (ISO 9047)	± 20%
Acoustic Rating	Up to 60 Rw
Fire Rating (AS1530.4-2014)	Up to 4 hrs
VOC Content	15 g/L
<small>Indicative data only, not intended for preparation of specifications</small>	

Surface Preparation

Ensure surfaces are clean and free of oil, grease, release agents, dust, or loose particles.

Porous surfaces should be prepared by grinding, brushing, wiping with cloths, or blowing off with oil-free compressed air. Any laitance should be removed from concrete-based surfaces.

Non-porous surfaces should be free of scale, rust or oxides and can be degreased with a solvent such as MEK, acetone or mineral turpentine. Some degreasing solvents may leave a residue that should be removed.

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Directions for Use

The following should only be used as a guide and the installer should apply all Australian Standards, BCA/NZBC requirements, and best practices when using Fireblock XT.

Cut tip of sausage. Insert in caulking gun and attach nozzle. Cut nozzle to size required for joint.

Extrude sealant smoothly into joint, while ensuring that all substrates are well wetted out with sealant.

For fire rating, joint width should be between 20mm and 40mm. Minimum joint depth should be 10mm or half the width for joints wider than 20mm.

A tight fitting non-absorbent, non-adhering backing material should be used to ensure the correct dimensions and prevent three-surface adhesion. Suitable materials include open cell foam backer rod or bond-breaking tape.

Curing: The sealant cures by reaction with atmospheric moisture therefore cure rate is dependent on humidity, ambient temperature, and joint size. Typically, the sealant will form a thick skin within 24 hours and full cure can be expected after 7 days.

In dry or cool conditions, the sealant cure will be longer.

Painting: Paintable with water-based paints after product skins (60 – 90 min). Allow longer times before painting in colder weather. Paint within 12 hours of application. Solvent-based paints may be used after first painting with a water-based paint. Due to the large number of paints and varnishes available, a preliminary test of compatibility is recommended.

Tips

For neat joints use masking tape on both sides of the joint and remove before skinning.

In dry conditions, surfaces can be misted with water to speed up cure.

Coverage

Joint Size (mm)	Metres per cartridge
6 x 6	7.9
8 x 8	4.5
10 x 10	2.9
12 x 12	2.0
15 x 7.5	2.5
20 x 10	1.4
30 x 15	0.6
40 x 20	0.4

Clean Up

Uncured product can be removed with mineral turpentine. Cured product can be removed by mechanical action. Use Poly Cleaning Wipes to remove sealant from the skin.

Storage

Store below 28°C.

Shelf Life

12 months from date of manufacture

Limitations

- Not for permanent water immersion or below water-line use
- Not suitable for use on polyethylene, polypropylene, or Teflon.

FIRE RATED COMPLIANCE

Fireblock XT has been tested in accordance with AS1530.4 – 2014. Full test reports and assessments are available on request.

ACOUSTIC COMPLIANCE

Acoustic opinions are available on request.

Warnings, First Aid and Shipping Information

This information can be located on the product SDS found through our website – www.selleys.com