

Pro Trade Joint Sealant FC

Description

Pro Trade Joint Sealant FC is a fast curing polyurethane adhesive and sealant with high flexibility and excellent adhesion. It is waterproof and suitable for indoor and outdoor applications. The product is paintable after it has cured*

Product Information

Packaging	Size	Colour
Foil Sausage	600ml	White, Grey and Black
Cartridge	310ml	White, Grey and Black

Uses

Pro Trade Joint Sealant FC is a high strength, multipurpose adhesive and flexible joint sealant. It is suitable for internal and exterior vertical and horizontal applications. Pro Trade Joint Sealant FC can be used for sealing and bonding common building materials including:

- Sealing gaps and adhering most façade and cladding panels to various building materials.
- Weatherproofing joints between brickwork, masonry, concrete, cladding, wood or metal frames.
- External joints in walls and around window or door frames.
- Sealing construction and expansion joints
- Sealing floor and concrete joints.
- Trafficable areas including paths, stairs, and pavements
- Joints in bridge and balcony parapets
- Retaining walls
- Roofing.
- Acoustic rated walls
- As an adhesive for indoor and outdoor bonding of window sills, thresholds, stair steps, skirting boards, base boards, crash protections boards, covering boards and prefabricated elements.

Features

- High flexibility with +/-25% joint movement
- Excellent resistance to aging and weathering
- Cures bubble free
- No shrinkage during curing
- Excellent adhesion on common building materials such as concrete, masonry, brick, ceramic tile, metals, soft wood, hardwood and some plastics**

Technical Details

Property	Typical Result
Technology	Polyurethane
Colour	White, Grey and Black
Density	1.08 ±0.03 g/ml
Application Temperature	5°C – 40°C
Tack-Free Time (23°C and 50% R.H)	40 ±10minutes
Cure Rate (23°C and 50% R.H)	Min. 3 mm/24h
Sagging (EN ISO 7390)	0 mm
Tensile Strength (ISO 37)	2.0 – 2.5 N/mm2
Elongation at Break (ISO 37)	≥ 400%
Shore A Hardness (ISO 868)	40 ±5
Modulus at 100% Elongation (ISO 8339)	0.35 - 0.40 N/mm2
Movement Capability	+/- 25%
Service Temperature	- 40°C / +70°C
Indicative data only, not intended for preparation of specifications	

Surface Preparation

Surfaces must be clean, dry and free from oil, grease, release agents, dust and loose material. Pro Trade Joint Sealant FC generally has good adhesion properties without priming to common building materials indicated. A pre-test to ensure suitable adhesion is recommended.

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 installing.

- Cut the end of the sausage and insert into a Selleys sausage gun.
- For cartridges, completely pierce the metal foil seal inside the cartridge nipple, trim nozzle and screw onto cartridge. Insert into caulking gun.

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As an Adhesive

- Apply a bead or small blobs of product onto surface of substrate.
- Assemble parts together and clamp firmly to hold in place until product cures.
- Remove excess adhesive immediately.
- Initial bond is achieved in 24hours depending on temperature and humidity. Bond strength increases over a few days

As a Sealant

- Install backing rod to correct depth and apply masking tape as required.
- Extrude sealant into the joint such that it is in full contact with the sides of the joint. Avoid overlapping of sealant to eliminate entrapment of air.
- Smooth sealant with spatula forcing the sealant into the joint for better contact with the sides.
- Painting with water based paints is possible after curing. If solvent based paints are used; prime first with water based primer.

Tips

Joint & sealant dimensions:

The optimum width to depth ratio for joint sealing is 2:1.

Minimum joint width and depth is 10mm.

For joint widths up to 12mm, use a width to depth ratio of 1:1

For joint widths greater than 12mm, use a width to depth ratio of 2:1

Notes:

- Wider joints can accommodate more total movement than narrow joints.
- Always install suitable diameter backing-rod (polyethylene or polyurethane foam rod) in joints to control sealant depth and ensure free movement of sealant in joints.
- Sealant must adhere to sides of the joints only and NOT to the back, so that it is free to stretch.

Coverage

Joint width	5 mm	20mm	25mm	30mm	35mm
Joint depth	8 mm	10mm	12mm	15mm	15mm
Joint length / 600 ml	5 m	3 m	2 m	1.3 m	1.1 m

Clean Up

Tools and uncured product may be cleaned using mineral turps.

Cured product can only be removed mechanically.

Storage

15 months if stored in its original package, away from direct sunlight and moisture, between 10 °C and 25 °C.

Limitations

- Not recommended for continuous submersion or below water-line use
- * Suitable for most water-based paints. For oil-based paints undercoat with water-based primer. Testing is recommended if paint is applied more than 5 days after sealant application.
- ** Will not adhere to polyethylene or polypropylene test adhesion on other plastics before application.
- Do not apply on frozen or wet surfaces or through standing water.

Warnings, First Aid and Shipping Information

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