

Pro Trade Joint Sealant LM

Description

Pro Trade Joint Sealant LM is a non-slumping polyurethane joint sealant with high movement capability, low modulus and excellent adhesive properties. It is weatherproof 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 LM is a multipurpose, one component high performance polyurethane sealant and elastic adhesive. It is designed for sealing expansion and construction joints in vertical and horizontal applications. Pro Trade Joint Sealant LM can be used for sealing and bonding common building materials including:

- Precast and tilt up panels, external wall and cladding joints
- Weatherproofing joints between brickwork, masonry, concrete, cladding, wood or metal frames.
- External joints in walls and around window or door frames.
- 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**
- Certified according to EN 15651
- Will not degrade acoustic walls that meet the BCA requirements

Standards

- Meets the requirements of EN 15651 - sealants for non-structural use in joints in buildings and pedestrian walkways

Technical Details

Property	Typical Result
Technology	Polyurethane
Colour	White, Grey and Black
Density	1.2 ±0,03 g/ml
Application Temperature	5°C – 40°C
Tack-Free Time (23°C and 50% R.H)	20 – 70 minutes
Cure Rate (23°C and 50% R.H)	≥ 2,5 mm/24h
Sagging (EN ISO 7390)	0 mm
Tensile Strength (ASTM D412)	1.5 – 2.0 N/mm2
Elongation at Break (ASTM D412)	≥ 600%
Shore A Hardness (ASTM C661)	Approx. 35 - 40
Modulus at 100% Elongation (ISO 8339)	0.35 - 0.40 N/mm2
Movement Capability (EN 15651)	+/- 25%
Service Temperature	- 40°C / +90°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.

Install backing rod to correct depth and apply masking tape as required.

Pro Trade Joint Sealant LM 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.
- 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.

Pro Trade Joint Sealant LM

- 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.
- For adhesive purposes ensure surfaces are clean, dry and free from oil, grease, release agents, dust and loose material. Apply Pro Trade Joint Sealant LM in spots or beads on the prepared surfaces then firmly press the parts together. If necessary, use suitable fixing until the adhesive has cured.

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