

TREM WS500

Advanced Hybrid Weathersealant



KEY BENEFITS SUMMARY

- Low Odour. Solvent and isocyanate free.
- Easy to handle.
- Suitable for heat and humid applications.
- Movement accommodation factor: +/- 50%
- Excellent adhesion without priming on most substrates.
- Paintable.
- Compatible with most common construction materials.

PRODUCT INFORMATION

Description

TREM WS500 is a high-performance, single-component, low modulus, silicone hybrid sealant, formulated with proprietary silane end-capped polymer technology.

Colour

White, grey, black. Other colours available on request, subject to minimum order quantity.

Packaging

300 ml cartridge (24 per carton),
600 ml sausage (20 per carton).

Preparation

- Joint faces should be clean, dry and free from dust, oil, grease, old sealants and any traces of contamination which may affect adhesion. Any previously applied sealant must be mechanically removed.
- Apply masking tape to prevent contamination of adjacent surfaces.
- Depending on the substrate, IPA / MEK can be used for cleaning the substrates. Clean powder coated surfaces with cleaning solvent. Perform preliminary tests.

Joint Backing

- Closed cell polyethylene is the recommended backing rod material. Care should be taken with open-cell polyurethane backing rods due to potential migration of materials or air entrapment.

Usage / Purpose

TREM WS500 is recommended for construction sealing such as joints in facades, rainscreens and curtain walls; perimeter joints around windows, doors and roof lights; and high movement joints. It can be used for indoor and outdoor applications.

Priming

Excellent Primer less adhesion to concrete, Glass, aluminium, brick, ceramic, wood, steel etc. Perform preliminary adhesion tests on critical and unknown surfaces

Application

- Apply TREM WS500 equally and free of air bubbles directly out of the cartridge or sausage onto the surface or into the joint.
- Smooth surface, if necessary, within the film formation time
- If masking tape has been used remove it right after smoothing.
- TREM WS500 suitable for Joint sizes from 6 mm - 50 mm. For joint width greater than 50 mm, please contact the local TREMCO technical services team.

Cleaning

- For surfaces and tools that are contaminated by PU520, we recommend IPA/MEK as cleaner. Totally cured material only can be removed mechanically.

Health & Safety Precautions

- Safety data sheet must be read and understood before use

TECHNICAL PARAMETER

Physical Properties	Test Method	Result
Specific Gravity @ 25°C, g/ml	ASTM D1475	1.41
Consistency – 50 mm profile	ASTM C639-01	Non-Sag
Skin Time @ 23°C / 50% RH, Minutes	ASTM C-679-87	< 20
Cure Rate	Internal Test Method	~ 1mm / Day
Elongation at break, %	ASTM D412	> 500
Hardness: Shore A	ASTM D2240	27 – 33
Movement capability, %	ASTM C719	± 50
Effects of Accelerated aging	ASTM C793	Pass
Stain and Colour Change	ASTM C510	No visible colour change / No Stain
Application Temperature (°C)	-	+5 to +50
Service Temperature (°C)	-	-40 to +90
Storage	Store in shaded dry conditions between +5 °C and +25 °C.	
Shelf Life	12 months when stored as recommended in original unopened containers	

Coverage

Joint dimensions (width × depth, mm)	Approx. metres per 300 ml Cartridge	Approx. Metres per 600 ml Sausage
6 × 6	8.30	16.7
8 × 6	6.30	12.5
10 × 8	3.80	7.5
15 × 10	2.00	4.0
20 × 12	1.20	2.5
25 × 15	0.80	1.6
30 × 15	0.60	1.3

Overpainting

TREM WS 500 can be overpainted after curing.

Please Note

Contact with bituminous or tar containing surfaces can lead to discoloration. Application to natural stone substrates is recommended only after appropriate testing.