

Sealpro MS



TO SEAL & PROTECT

Technical Data Sheet

Product description

Permanently elastic, pasty single-component sealant, especially for the building sector. Free of solvents and isocyanides.

Curing system

1K MS polymer system curing upon exposure to humidity.

Special properties

- ▶ Permanently elastic
- ▶ Thixotropic
- ▶ Free of solvents and isocyanates.
- ▶ Oxime-free
- ▶ Excellent adhesion on a variety of substrates
- ▶ Highly compatible with water-based paint systems and most alkyd resin paint systems
- ▶ High ageing and weather resistance
- ▶ Good UV stability
- ▶ Complies with ISO 11600 F standard for joints in construction class 25LM
- ▶ High smoothing properties
- ▶ Available in various colours and packaging

Fields of application

Elastic sealings of seams and joints in the building industry. Particularly suitable for sealing joints and connections on prefabricated facade elements, concrete elements, concrete pillars and cast-in concrete.

Yield

290 ml of sealant is sufficient for 12 running meters of joints measuring about 5 x 5 mm or about 3 running meters of joints measuring 10 x 10 mm.

Colours and packaging

- ▶ Standard colour: white (a variety of other colour available on request)
- ▶ Packaging: 290 ml cartridges.

Usage instructions

Substrate pretreatment

The substrate must be dry, firm, and free of dust and grease. Absorbent and porous substrates, e.g. concrete, plasterboard and untreated wood, must be primed. Before primer application, remove any cement slurry, mold release agents, coatings or impregnations. In renovation projects, old sealant, remains of paint and loose material must be fully removed. The joint must always be provided with a suitable, correctly dimensioned joint backing, e.g. PE cord, PE sheeting, to prevent adhesion on three faces.

To avoid contamination and to achieve a precise joint, we recommend masking the joint edges with adhesive tape before primer application and filling.

Technical Data Sheet

Full painting of the joint surface is not advisable because the allowance for movement of the sealant is higher than that of the paint systems. In view of the wide variety of paint systems, we recommend prior tests in any case. The paint should be limited to approx. 1 mm.

Joint dimensions

For joint widths of a minimum of 5 mm, a square cross-section is advised. For wider joints (up to 25 mm max.), the joint depth should be equal to half the joint width in accordance with DIN 18540, Sheet 3. Make sure that triangular bevels have uniform sides of equal length with at least 7 mm of bonding surface.

Smoothing

After applying the sealant with a suitable manual, battery-powered or pneumatic caulking gun, the sealant can be smoothed in the joint with water or with a neutral, non-staining water-based smoothing agent and a suitable tool (e.g. jointing trowel). For this we can recommend the FS caulking gun and the FS jointing trowel. Any adhesive tape used can be removed immediately after smoothing.

Technical Data

Technical property Required value

Density.....	approx. 1.45 g/cm ³
Solids content	approx 100%
Skin formation time 23C°, 75% r.h.....	approx. 30 min.
Tack-free.....	after approx. 4 hours
Curing 23C°, 60% r.h.....	approx. 2 mm in the first 24 h
Shore A hardness (DIN 53 505).....	approx. 30 units
Permissible total deformation.....	25%
Modulus at 100% elongation.....	0.30 N/mm ²
Tensile strength.....	approx. 0.44 N/mm ²
Elongation at break	approx. 300 %
Application temperature.....	+5°C to +30°C
Temperature stability range.....	-30°C to +90°C
Shelf life.....	9 months

Safety data: see Safety Data Sheet

