

TECHNICAL DATA SHEET

MS 30 High-Flex Sealant



High-Flex Sealant

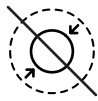
Promast MS 30 is an environmentally friendly, single component, low modulus, high-flex, MS Polymer Sealant for the construction industry. Thanks to its high flexibility, Promast 30 is preferred especially in joint assembly applications. Promast MS 30 does not contain any solvents and/or isocyanates.



Solvent Free



All Weather



Non Shrinking



TECHNICAL DATA

■ Basis	MS Polymer
■ Consistency	Stable Paste
■ Curing system	Moisture Curing
■ Tack-free time	Ca. 25 mins
■ Skin formation time * (20 °C / 65% R.H.)	Ca. 60 mins
■ Curing speed * (20 °C / 65% R.H.)	> 2,5 mm /24h
■ Hardness (DIN 53505)	30 ± 5 Shore A
■ Density	1,34 ± 0,05 g/ml
■ Temperature resistance	-40 °C → 90 °C
■ Max. tension (DIN 53504)	> 2,40 N/mm ²
■ Elasticity modulus 100% (DIN 53504)	> 0,50 N/mm ²
■ Elongation at break (DIN 53504)	> 800%
■ Application temperature	5 °C - 35 °C
■ Self life	12 Months

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

APPLICATIONS AREAS

- Sealing and bonding in the building and construction industry.
- Strong elastic bonding in vibrating constructions.
- Sanitary applications.
- Sealing of floor joints.
- Suitable to be used in all types of joints; precast, concrete, wood, aluminum, glass...

SPECIFICATIONS

- Permanent elasticity.
- Excellent absorption of acoustic vibrations.
- Cures in 40 minutes after application.
- Excellent color stability, non-yellowing.
- Excellent UV resistance.
- Over-paintable.
- Non-sagging.
- Non-shrinking.
- Weatherproof.
- Not affected by surface moisture during curing – does not bubble.
- Does not contain any hazardous chemicals – odorless.
- Excellent adhesion to most materials such as metal, aluminum, glass, wood, stainless steel, brick, concrete, cooper, some plastics and their combinations...

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REMARKS

- Promast MS 30 may be overpainted with water-based paints, however, due to a large number of paints and varnishes available we strongly suggest a compatibility test before application.
- The drying time of alkyd resin-based paints may increase.
- Promast MS 30 can be applied to a wide variety of substrates. We recommend a preliminary compatibility test because specific substrates such as plastics, polycarbonate, etc, may differ from manufacturer to manufacturer.
- Promast MS 30 can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- Promast MS 30 can be used for bonding of and sealing on natural stone.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits, or soap remainings will stimulate the development of fungi.
- Do not use in applications where continuous water immersion is possible.
- A total absence of UV can cause a color change of the sealant.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Promast MS 30 has a good UV resistance but can discolor under extreme conditions or after very long UV exposure.
- Discoloration due to chemicals, high temperatures, UV radiation may occur. A change in color does not affect the technical properties of the product.
- Contact with bitumen, tar, or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discoloration and loss of adhesion.

CHEMICAL RESISTANCE

Good resistance to (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

SURFACE PREPERATION

Surfaces which contact with sealant must be clean and dry and not contain any oil, dust or rust. Non-porous surfaces must be cleaned in advance with a suitable solvent. Applied solvent must be wept well from the surface without allowing it to evaporate. Applying masking tape around the application joints prevents smudging and provides a more aligned application. Masking tape must be removed promptly after application. Primer is not needed before the application on non-porous surfaces like faience, ceramics and glass. Primer use may be required for some metal and plastic types.

APPLICATION METHOD

With manual - or pneumatic caulking gun.

PACKAGING (Volume)

290 ml cartridge
600 ml sausage
400 ml sausage

SHELF LIFE

15 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

COLORS



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