

TECHNICAL DATA SHEET

MS 50FC All Round-Adhesive



All Round-Adhesive

Promast MS 50FC is a single component, environment friendly Adhesive for construction and industrial applications. Thanks to its high load curing capacity, Promast MS 50FC is the perfect choice for applications where fast assembly is required. Promast MS 50FC does not contain any solvents and/or isocyanates.



All
Weather



Fast
Curing



UV
Resistant



TECHNICAL DATA

■ Basis	MS Polymer
■ Consistency	Stable Paste
■ Curing system	Moisture Curing
■ Tack-free time	Ca.15 mins
■ Skin formation time * (20 °C / 65% R.H.)	Ca. 20 mins
■ Curing speed * (20 °C / 65% R.H.)	(2,5 – 3,5) mm /24h
■ Hardness (DIN 53505)	50 ± 5 Shore A
■ Density	1,45 ± 0,05 g/ml
■ Temperature resistance	-40 °C → 90 °C
■ Max. tension (DIN 53504)	> 3,00 N/mm ²
■ Elasticity modulus 100% (DIN 53504)	> 1,30 N/mm ²
■ Elongation at break (DIN 53504)	> 400%
■ Application temperature	5 °C - 35 °C
■ Self life	15 Months

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

APPLICATIONS AREAS

- Construction boards: Plywood, Laminated timber, OSB, Chipboard...
- Insulation materials: Polystyrene, Mineral wool, Fiberglass, Polyurethane...
- Facade structural adhesion of materials; composites, marbles, tiles, stones, metals...
- All adhesion applications of construction materials.
- Window frames, doorsteps, decorative frames.
- Green-houses.

SPECIFICATIONS

- Fast curing – 15 minutes after application.
- Excellent adhesion to most construction materials; concrete, brick, stone, marbles, granite, steel sheets, aluminum frame, wood, plastic-bitumen sheets.
- Not affected by surface moisture during curing, does not bubble.
- Non-staining on natural stones, marbles, granites and such substrates.
- Excellent color stability, non-yellowing.
- Does not contain any toxic materials, odorless.
- Excellent UV resistance.
- Over-paintable.
- Non-shrinking.
- Weatherproof.
- Non-sagging.

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REMARKS

- Promast MS 50FC 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 50FC 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 50FC can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- Promast MS 50FC 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 50FC 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
400 ml sausage
600 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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