

Stable, elastic 1-component sealant based on MS hybrid polymer. Does not contain tin, phthalates, solvents, isocyanates and bitumen. Completely weather resistant, moisture curing, silicone free, neutral curing, odourless, very low-emission. Suitable for direct contact with bitumen tracks.

Application:

Suitable to fill large gaps, voids, holes, movement joints. Joints or cracks which are subsequently painted over with Gomastit Aqua Protect Flex liquid must be previously grouted with Gomastit Aqua Protect Flex.

Processing:

Requirements for proper sealing work are correct joint dimensioning and pre-treatment of bonding surfaces. For Joint dimensions in buildings see DIN standard 18 540 F and SIA norm 274. To achieve maximum bond strength, a dry, clean, grease-free and structurally perfect surface is required. Gomastit Aqua Protect Flex liquid adheres on many surfaces such as painted wood, metals and various plastics without Adhesion Promoter. Preliminary tests are recommended.

Cleaning the surface:

The substrate must be stable, clean, dust-, oil- and fat-free. Good results can be achieved with rubbing alcohol.

Adhesion promoter

On many clean substrates a good adherence can be achieved without Adhesion promoter. However, it should always be tested, if the cured product is exposed to big fluctuations in temperature or has contact with water. In that case, and with absorbent or difficult substrates, we always recommend the application of Adhesion Promoter V21 in advance. On non absorbent substrates we recommend the application of Adhesion promoter V2.

For plastics such as PVC, PMMA and polycarbonate (as used on skylights) is a prior roughening of the plastic surface with 80-100 grit paper recommended (followed by dusting and cleaning with alcohol) and a pre-treatment with Adhesion Promoter (primer) V40.

Tooling

We recommend tooling the joints with tooling agent and eventually using help-tools for joints. Is Gomastit Aqua Protect Flex subsequently swept with Aqua Protect Flex liquid, avoid using a tooling agent. In this case the joints should be deducted with a grouting tool, such as „Glättfix“.

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Work and environment safety

No dangerous good. No labeling obligation. Important information on the work and environment security you can find in the safety data sheet.

Chemical resistance

good to water, aliphatic solvents, oils, greases, diluted inorganic acids and alkalis

moderate to esters, ketones and aromatics

not resistant to concentrated acids and chlorinated hydrocarbons

completely weather-resistant

Gomastit Aqua Protect Flex is paintable

Because of the diversity of varnishes and paints on the market, we recommend a preliminary test. Using paints based on alkyd resins the drying process may be hold up.

If Gomastit Aqua Protect Flex is applied to painted or plastered substrates, a sufficient drying time of the paint / plaster must be kept (in general 10 days).

After cleaning with acetone, joints can be varnished at any time.

Technical data:

Shore-A-hardness (DIN 53505) after 3 weeks of storage at 23°C / 50% H.R.	35	Density at 23°C / 50% H.R.	1.45 +/- 0.05 g/cm ³
Modulus elongation at 100% and 23°C (DIN 53504 S2) Storage during 7 days at 23°C / 50% H.R.	≥ 0.6 N/mm ²	Change of volume (DIN EN ISO 10563)	≤ 4.0 %
Elongation at break (DIN 53504 S2) Storage during 7 days at 23°C / 50% H.R.	≥ 500 %	Temperature resistance	-40 °C bis +90 °C
Elastic recovery (DIN EN ISO 7389) at elongation of 100 %	> 70 %	Application temperature	+5 °C bis +40 °C
Tensile strenght (DIN 53504 S2) Storage during 7 days at 23°C / 50% H.R.	≥ 1.0 N/mm ²	Temperature of the substrate	+5 °C bis +40 °C
Movement capability	n.d.	Colors	black, grey Other colors on request.
Consistency (DIN EN ISO 7390)	pasty	Packaging	cartridge of 310 ml, in cartons of 12 pieces Other packaging on request.
Tooling time at 23°C / 50% H.R.	max. 30 Min.	Shelf life	24 months from production date
Curing through at 23°C / 50% H.R.	after 24 h: ≥ 2.0 mm after 48 h: ≥ 3.0 mm	Storage conditions	cool and dry
		Meets the specifications	n.d.

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Our data are based on experiences in laboratory and practice. Its publication occurs without any takeover of damage and loss which are traced back to these data, as the practical conditions of application are beyond the control of the company. The user is not exempt of doing own tests for the intended application under practical conditions. Due to the different materials, application methods and local given facts on which we do not have influence, we cannot give any warranty – also not in patent law aspect. We therefore recommend doing sufficient autonomic tests. In addition we refer you to our General Terms and Conditions. Subject to change without prior notice. Content approved by merz+benteli ag, CH-3172 Niederwangen/Bern
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