

Gomastit Aqua Protect Flex liquid

Self-levelling construction seal for horizontal and vertical surfaces. Does not contain tin, phthalate, solvent, isocyanate and bitumen. Based on silane modified polymers.

Product advantages

- One component
- Ready to use, no mixing required
- Long processing time
- Wide adhesion range
- Permanently elastic
- Very good sealing properties
- Dimensionally stable, no flowing on inclined surfaces
- Gap and crack bridging
- Excellent weather resistance and durability
- Non-corrosive on surfaces
- Chemical neutral polymerisation
- Very low emission
- Free of tin, phthalate, solvents, isocyanates and bitumen
- Suitable for use in AHU facilities according to VDI 6022

Technical data

Chemical base	Silane modified polymer
Consistency, DIN EN ISO 7390	dünnflüssig
Mechanism of curing	1 comp. moisture curing
Shore-A-hardness, DIN 53505	35
Modulus elongation at 100%, DIN 53504 S2 *	ca. 0.4 N/mm ²
Elongation at break, DIN 53504 S2 *	ca. 300%
Tensile strength, DIN 53504 S2 *	ca. 1.0 N/mm ²
Tooling time	max. 30 min.
Curing rate after 24h	≥ 2.5 mm
Curing rate after 48h	≥ 3.5 mm
Density	1.47 ± 0.05 g/cm ³
Temperature resistance after curing	- 40 °C to + 90 °C
Application temperature	+ 5 °C to + 35 °C
Temperature of the substrate	+ 5 °C to + 35 °C

* The data are based on measurements after 7 days.

Application

Coating of large horizontal surfaces, foundations, floor slabs. Repair and maintenance of flexible roof, waterproofing seals, including those with bitumen. Repair and strengthening of existing waterproofing systems. Sealing and repair of connections, such as: chimneys, skylights, transitions and connections across the flat roof. Gutter and downspout repair. Large-area sealing and protection of vertical surfaces. Pouring of horizontal movement joints.

Substrate range

Suitable materials are metals, powder-coated, varnished, galvanised, anodised, chromed or hot zinc dipped surfaces, various plastics, ceramics, stone, concrete and wood. Due to the large variety of different plastics and compositions as well as materials which are susceptible to cracks, preliminary tests are recommended. Due to the variety of bituminous materials available on the market we recommend preliminary tests. If exposed to heat and/or direct sunlight, Adhesion Promoter V17 must be used first. (please work instructions note). A preliminary test is recommended for bituminous substrates without coating. In direct sunlight, softening of the substrate is possible. It must be ensured that occurring movements do not lead to detachment.

Meets the standards

- DIN EN 7783-2
- DIN EN ISO 12572
- EMICODE EC1Plus
- Eurofins IAC Gold
- AC-plants according to VDI 6022

Technical data sheet Gomastit Aqua Protect Flex liquid

Substrate preparation

To achieve reproducible results the substrate has to be pre-treated according to the state of technology. For application the surface has to be clean, durable and free of dust, oil and grease. All undefined surfaces must be removed using suitable methods. Apply the adhesive/sealant promptly to the prepared surface. Depending on the substrate and the expected requirements a mechanical or chemical pre-treatment is recommended respectively cleaning with rubbing alcohol, isopropyl or acetone.

Adhesion promoter

With most materials a good adhesion is achieved even without adhesion promoter. On structurally weak, porous and difficult surfaces we always recommend the use of an appropriate adhesion promoter. For thermo-painted or powder-coated surfaces and plastic materials we recommend our Adhesion Promoter V40. For plastics such as PVC, PMMA and polycarbonate (for example light coupling), a preliminary roughening of the plastic surface with abrasive grit paper 80-100 (followed by dedusting and cleaning with alcohol) and a pre-coat with Adhesion Promoter V40 is recommended.

Processing

- Can be applied directly from the package by using a roller or brush, evenly and holohedrally in two layers.
- The minimum drying time of the first layer is 6 hours (at +20 °C/50% rh and a layer thickness of 1 mm. Depending on the layer thickness, temperature and humidity, the drying time will vary.)
- In particularly crack-prone areas of the insertion of a tissue in the first layer is recommended.
- After complete drying of the first coat, the second coat is applied.
- With fabric insert: 1st layer: approx. 1.5kg/m² (film thickness of approximately 1.0 mm) 2nd layer: approx. 2.5kg/m² is required, so that the fabric is completely coated
- Without fabric insert: 1st layer: approx. 1.5kg/m² 2nd layer: approx. 1.5kg/m²
- Avoid continuous wetness (e.g. standing water, underwater applications).
- With temporary wetness at works without fabric, the first layer needs to be cleaned with acetone before applying the second layer, or in wet state sprinkled with quartz sand (loose sand must be removed before applying the 2nd layer).

Chemical resistance

- Good against water, aliphatic solvents, oils, grease, diluted inorganic acids and alkalis
- Moderate against esters, ketone and aromatics
- Not resistant against concentrated acids and chlorinated hydrocarbons
- Weatherproof and resistant to aging

Colours

- grey

Shelf life and storage conditions

- Shelf life depending on packaging
- Store cool and dry (10 - 25 °C)
- Further information on request

Work and environmental safety

Important information about work and environmental safety is available on the material safety data sheet.

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