

Self-levelling construction seal for horizontal and vertical surfaces.

Does not contain tin, phthalate, solvent, isocyanate and bitumen. Based on silane modified polymers. Suitable for direct contact with bitumen.

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.

Processing:

The substrate must be dry and free of grease, dust and release agents. Go prone old coverings must be removed beforehand. The substrate must be present in structurally solid, viable form. Gomastit Aqua Protect Flex liquid is ready and can be applied evenly and completely enclosed in two layers of the container with a roller or brush.

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 and permanently wet areas the insertion of a tissue in the first wet layer is recommended. The second layer is applied after complete drying of the first layer on the tissue.

Gomastit Aqua Protect Flex liquid may only be used on porous surfaces when the temperatures are constant or falling. With rising temperature of the object, it may happen that the trapped air expands, escapes from the pores and form bubbles.

Consumption rates :

With fabric insert: 1st Layer: ca. 1.5kg/m², gives a film thickness of approximately 1.0 mm
2nd Layer: ca. 2.5kg/m², is required, so that the fabric is completely coated.
Without fabric insert: 1st Layer: ca. 1.5kg/m²
2nd Layer: ca. 2.5kg/m²

With continuous wetness, e.g. in standing water, at works without the fabric, must the first Layer, before applying the second Layer, be sprinkled with quartz sand in the wet state (loose sand must be removed before applying the 2nd layer).

Surface cleaning:

The substrate must be viable, clean, dust-, oil- and grease free.

Processing and substrate temperature: +5 ° C and max. +35 ° C. Gomastit Aqua Protect Flex liquid ECO should have a temperature of +15 ° C to +25 ° C.

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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 (such as in skylights) a prior roughening of the plastic surface with sandpaper grit 80-100 (followed by dusting and cleaning with alcohol) and also recommend is use of adhesion promoter primer V40.

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

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.	1.47 +/- 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.	≥ 0.4 N/mm ²	Change of volume (DIN EN ISO 10563)	n.d.
Elongation at break (DIN 53504 S2) Storage during 7 days at 23°C / 50% H.R.	≥ 300 %	Temperature resistance	-40 °C bis +90 °C
Elastic recovery (DIN EN ISO 7389) at elongation of 100 %	n.d.	Application temperature	+5 °C bis +35 °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 +35 °C
Movement capability	n.d.	Colors	grey, black
Consistency (DIN EN ISO 7390)	low viscosity	Packaging	can of 1.13 kg, bucket of 6 or 16 kg. Other packaging on request.
Tooling time at 23°C / 50% H.R.	max. 30 Min.	Shelf life	18 months from production date in original packaging
Curing through at 23°C / 50% H.R.	after 24 h: ≥ 2.5 mm after 48 h: ≥ 3.5 mm	Storage conditions	cool and dry
Meets the specifications			
<ul style="list-style-type: none"> Tested and approved as „liquid plastic waterproof construction sealant according List A, Part 2, Serial No 2.51 for use in accordance with DIN 18195, Part 4 to 6, and in the transition to structures with high resistance to water,“ according to KIWA MPA Bautest GmbH, Dresden. 			

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