

## Gomastit Aqua Protect Flex

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

### Product advantages

- Compatible with paints
- Simple processing
- High elasticity, good mechanical strength
- Corrosion protecting
- Long processing time
- Free of solvents, isocyanates and silicones
- Odourless
- Non-corrosive on surfaces
- Impact and vibration resistant (shock absorbing)
- Grindable and paintable
- Very wide adhesion range
- Very good sealing properties

### Technical data

Chemical base	Silane modified polymer
Mechanism of curing	1 comp. moisture curing
Consistency, DIN EN ISO 7390	Stable, ≤ 3
Tooling time	max. 30 min.
Curing rate after 24h	≥ 2.0 mm
Curing rate after 48h	≥ 3.0 mm
Shore-A-hardness, DIN ISO 7619-1	35
Tensile strength DIN 53504 S2*	ca. 1.5 N/mm <sup>2</sup>
Modulus elongation at 100%, DIN 53504 S2 *	ca. 0.9 N/mm <sup>2</sup>
Elongation at break, DIN 53504 S2 *	ca. 450%
Density	1.45 ± 0.05 g/cm <sup>3</sup>
Volume change, DIN EN ISO 10563	≤ 4%
Temperature resistance after curing	- 40 °C to + 90 °C
Application temperature	+ 5 °C to + 40 °C
Elastic recovery, DIN EN ISO 7389, at elongation of 60%	≥ 70%
Movement capability	20%

All measurements were performed under normal conditions (23 °C and 50 % relative humidity).

\* The data are based on measurements after 7 days.

### Application

Suitable to fill large gaps, voids, holes, movement joints. Joints or cracks which are subsequently painted over with Aqua Protect Flex liquid must be previously grouted with Gomastit Aqua Protect Flex. Suitable for connection joints, movement and facade joints in building construction on concrete, asphalt covering, bricking, stucco, wood, metal and several plastics. For connection and movement joints in the outdoor area, which are purposed to be walked or driven on.

### Substrate range

Suitable materials are metals, powder-coated, varnished, galvanised, anodised, chromed or hot zinc dipped surfaces, various plastics, ceramics, stone, concrete, wood and bitumen. Due to the large variety of different plastics and compositions as well as materials which are susceptible to cracks, preliminary tests are recommended. If exposed to heat and/or direct sunlight, Adhesion Promoter V17 must be used first. (please follow the working instructions). 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

- EMICODE EC1Plus
- Eurofins IAC Gold

# Technical data sheet Gomastit Aqua Protect Flex

## Substrate preparation

Perfect sealing work requires correct joint dimensions and pre-treatment of the surfaces. For dimensioning of building construction joints see DIN standard 18540 and SIA standard 274. For maximum adhesion strength a dry, clean, grease free and structurally proper surface is required. On smooth, non-absorbent substrates a pre-cleaning with rubbing alcohol or isopropyl is recommended. Porous surfaces may need to be grinded, free of dust and cleaned. During renovations the old sealant must be removed as much as possible. The chemical base of the old sealant must be clarified. We recommend to consult our application engineers. The compatibility with adjacent materials, coatings etc. must be determined in advance.

## Adhesion promoter

With most materials a good adhesion is achieved even without adhesion promoter. In the case of moisture influence on absorbent or difficult substrates, we always recommend the application of Adhesion Promoter V21 in advance. For non-absorbent substrates we recommend the application of Adhesion Promoter V2. For thermo-painted or powder-coated surfaces and plastic materials we recommend our Adhesion Promoter V40. Preliminary tests are recommended. Note: Adhesion promoter and thinly elapsed sealant leave stains that can not be completely cleaned.

## Processing

- Prepare the joint according to the substrate preparation and pre-treatment description
- Observe and comply with the expiry date of all materials used
- Cut the nozzle tip according to the joint width
- Place container into suitable gun (manual, air, caulking gun)
- Apply the material bubble free into the joint
- The joint must be applied within the tooling time
- For joint smoothing we recommend using our tooling agent and if necessary joint tools
- Non-cured sealant can be removed with rubbing alcohol or isopropyl

## Paint compatibility

Due to the diversity of varnishes and paints on the market we recommend preliminary tests. Using paints based on alkyd resins may delay the drying process. If applied on 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.

## 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

## Colours

- black

## Packaging

- Cartridges of 310 ml in boxes of 12 units
- Sausages of 600 ml in boxes of 12 units

## Shelf life and storage conditions

- 24 months from date of production in original 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.

**merz+benteli ag**

Freiburgstrasse 616  
CH - 3172 Niederwangen  
Phone +41 31 980 48 48  
Fax +41 31 980 48 49  
info@merz-benteli.ch  
www.merz-benteli.ch

Last Update: 24.02.2021

Our information is based on experiences in lab and practice. Their publication occurs, however, without takeover of a liability for damages and losses which are to be put down to these information, as there the practical application conditions are lying outside of the enterprise's control. The user is not released from the necessity to carry out own attempts for the planned applications under practical conditions. Due to the different materials, processing methods and local factors onto which we have no influence, no guarantee – also in patent-legal respect – can be taken over. We recommend therefore sufficient own attempts. By the way we refer to our General Business Conditions. Technical characteristics according to the Technical Data Sheets up to their expiry date which is available upon request and which is available on our website. Technical changes reserved. Contents examined and released by merz+benteli ag, CH - Niederwangen/Berne

