

## Gomastit 2005

**Gomastit 2005 is an elastic 1-component casting compound, moisture curing, based on SMP, neutral polymerization and self levelling.**

### Product advantages

- Simple processing
- Self-leveling
- One component
- Long processing time
- Free of solvents, isocyanates and silicones
- Odourless
- Non-corrosive on surfaces
- Very good sealing properties
- Very wide adhesion range

### Technical data

Chemical base	Silane modified polymer
Mechanism of curing	1 comp. moisture curing
Consistency	castable, selflevelling
Tooling time	max. 90 min.
Curing rate after 24h	≥ 2.5 mm
Curing rate after 48h	≥ 3.5 mm
Shore-A-hardness, DIN ISO 7619-1	12
Tensile strength DIN 53504 S2*	ca. 0.7 N/mm <sup>2</sup>
Modulus elongation at 100%, DIN 53504 S2 *	ca. 0.3 N/mm <sup>2</sup>
Elongation at break, DIN 53504 S2 *	ca. 350%
Density	1.40 ± 0.05 g/cm <sup>3</sup>
Volume change, DIN EN ISO 10563	≤ 15%
Temperature resistance after curing	- 40 °C to + 90 °C
Application temperature	+ 5 °C to + 40 °C

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

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

### Application

Sealing of horizontal joints (gradients possible up to 3 %). For casting of floor joints, machine foundations, tubing systems on concrete, plaster, metals and various plastics. Filling, spackling, isolate from voids, cracks, holes, connections and terminations in the area of construction.

### Substrate range

Suitable materials are metals, powder-coated, varnished, galvanised, anodised, chromed or hot zinc dipped surfaces, various plastics, ceramics, concrete and wood. The substrate must be structurally perfect and supporting. Not suitable for natural stone work, for use on deck strips of copper and window sealings. Not suitable for continuous moisture (showers, earth touching surfaces etc.).

# Technical data sheet Gomastit 2005

## 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
- Knead the bag well before use so that the liquid components are homogeneously mixed
- 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
- Non-cured sealant can be removed with rubbing alcohol or isopropyl
- Cured sealant can only be removed mechanically

## 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

- grey

## Packaging

Sausages of 600 ml in boxes of 12 units

## Shelf life and storage conditions

- 12 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.

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