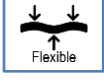


## Mr. Sealant Poliüretan Mastic



### One-component, polyurethane-based joint sealant

#### Description

A one-component, moisture-curing, polyurethane-based elastic joint sealant exhibiting high mechanical strength and excellent chemical resistance.

#### Advantages

- Has high elasticity and chemical resistance.
- Easy to apply; can be applied easily using a cartridge gun.
- Dirt-repellent surface and paintable.
- Thixotropic; does not slump or sag.
- Single-component and cures with atmospheric moisture.
- Suitable for contact with drinking water.
- Can be applied without primer.
- Provides adhesion to wood, metal, and concrete surfaces.

#### Areas of Use

- In joint and movement joints on floors,
- For interior and exterior applications exposed to pedestrian and vehicular traffic, in both vertical and horizontal applications,
- In warehouses, hangars, airports, and production facilities,
- On floors in the food industry,
- In ceramic tile joints in areas open to pedestrian traffic,
- In joints of wastewater and sewage treatment plants,
- In floor joints in tunnel construction,
- In above-ground structural joints,
- In joints with movement capability of up to 25%,
- For sealing and jointing details of aluminum, metal, PVC, and wooden frames,
- At parapet corner joints of roofs and terraces,
- In gaps between window and door installations and façade claddings such as PVC and aluminum,
- In bodywork and automobile manufacturing, as well as in the production of containers, caravans, and boats.

#### Surface Preparation

The surface to be treated must be clean, dry, dust-free, and sound. All substances that may impair adhesion (such as paint, bitumen, curing compounds, oil, rust, etc.) must be removed from the surface. The surface must be free of loose particles; mortar and cement residues should be scraped off, and any surface defects must be repaired prior to application. After surface preparation is completed, the outer edges of the joints should be protected by applying masking tape of appropriate width.

#### Application

Hammerfast Polyurethane Sealant is supplied in 600 ml sausage packs. Before use, the nozzle tip should be cut using a suitable cutter and the pack should be placed into an appropriate application gun. For joint filling applications, the polyurethane sealant should be extruded into the prepared joint gaps and pressed using a suitable tool. The product should then be left to cure.

The product must not be exposed to water before final curing is completed. Likewise, in exterior applications, it must be protected from rain until full cure is achieved. In bonding and filling applications, any excess material should be removed before it cures.

#### Consumption

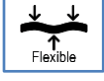
Joint width x joint depth (mm)	Consumption (mt/ml)	Coverage per 600 ml sausage pack (m)
10x10	100	~ 6,0
15x10	150	~ 4,0
20x10	200	~ 3,0
25x12	300	~ 2,0
30x15	450	~ 1,2

#### Technical Properties

Color	Grey / White
Composition	Polyurethane-based
Density	1,30±0,05 kg/lt
Sagging / Slump	0 mm
Tear Resistance	8 N/mm
Shore A Hardness	~ 35
Modulus of Elasticity	~ 0,5 N/mm <sup>2</sup> , (at 100% elongation)
Elongation at Break	~ %700
Elastic Recovery	> %80
Joint Dimensions	Min. 10 mm / max. 35 mm
Skin Formation Time	~ 90 min.
Curing Rate	~ 2 mm / 24 hours
Service Temperature	-40 °C / +70 °C
Final Cure	72 hours
Application Temperature	+5 °C / +35 °C

\*The values given are determined at a temperature of 23 ± 2 °C and a relative humidity of 50 ± 5%

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### One-component, polyurethane-based joint sealant

#### Precautions

- The product is single-component and must not be mixed with any foreign materials.
- Color changes may occur due to exposure to chemicals, high temperatures, and UV radiation (especially in white-colored sealants). However, such color changes do not adversely affect the technical performance or durability of the product.
- Do not apply at temperatures below +5 °C or above +35 °C.
- The product must not be exposed to water before final curing is completed; likewise, in exterior applications, it must be protected from rain until full cure is achieved.
- In case of eye contact, rinse immediately with plenty of water and seek medical advice.
- The use of protective gloves and safety goggles is recommended during application.

#### Storage and Shelf Life

When stored in its original, unopened packaging, in dry and moisture-free conditions, protected from direct sunlight, and at temperatures between +10 °C and +35 °C, the shelf life is 12 months from the date of production. If not in use, the packaging must be tightly closed. Pallets must not be stacked..

#### Packaging

600 ml sausage pack.  
1 box contains 20 pieces.

#### Cleaning of Tools

All tools used should be cleaned with an aromatic solvent immediately after application.

#### Safety Precautions

- Keep out of reach of children.
- Do not swallow.
- Keep away from food.
- Do not inhale or allow contact with skin.
- May cause allergic reactions.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Use gloves, goggles, and protective clothing during application.
- Wash hands with plenty of water after application.
- For detailed safety information, read the Material Safety Data Sheet (MSDS)

#### Quality Certificates

- ISO 9001
- ISO 14001

