

# eile POLYURETHANE SEALANT

## Description

Single-component flexible adhesive and sealant.

## Application Areas

It is used in horizontal and vertical joints, wall, floor, balcony, window and door frames, bridge and balcony parapets, and roof applications, especially where continuous elasticity and sag resistance are required over a wide temperature range.

## Product Features

- Cures with the moisture in the air.
- Can be painted after curing.
- Heat resistance is between -40°C and +90°C.

## Application Procedure

### Surface Preparation

The joint areas where **eile POLYURETHANE MASTIC** will be applied must be clean and dry. All kinds of cement, oil, adhesive, etc., residues should be cleaned.

### Application Method

**eile POLYURETHANE MASTIC** should touch both sides of the joint during application. The material should be applied evenly and continuously, with the nozzle tip inside the joint. Afterwards, the mastic's surface should be smoothed, and it should be checked to ensure it adheres well to the surface.

## Consumption

Joint Width x Joint Depth (mm)	Consumption ml/cm <sup>2</sup>	0.600 L sausage packaging fills (m)
10 x 10	100	6.0 m
15 x 10	150	3.9 m
20 x 10	200	3.0 m
25 x 12	300	2.0 m
30 x 15	450	1.3 m

Safety Recommendations: During application, appropriate workwear, protective gloves, goggles, and masks in accordance with occupational health and safety regulations must be worn. Avoid contact with skin and eyes; if contact occurs, wash thoroughly with plenty of water. In case of ingestion, seek medical attention immediately. Store out of the reach of children. No food or drink should be kept in the areas where the application is taking place.

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## Points to Consider

- Application should not be carried out in extreme hot, windy, or rainy weather, nor at ambient temperatures below +5°C or above +30°C.
- In facade joints, the joint widths are generally between 15-30 mm. The most appropriate ratio is that the joint width should be approximately twice the joint depth.
- Although it is UV resistant, **eile POLYURETHANE MASTIC** in white color may turn yellow over time.
- There should be no moisture or dampness in the application environment or the joint; otherwise, air bubbles may form inside the polyurethane mastic.
- Gloves and goggles must be worn during application and contact with eyes and skin must be avoided.

## Packaging

600 ml Sausage Packs

## Storage

It should be stored in its unopened original packaging in a cool and dry environment.

## Shelf Life

The shelf life is 12 months from the production date, provided it is stored under the specified storage conditions and in its unopened packaging.

## Technical Specifications

Structure of the material	: polyurethane
Color	: white, black, gray, red
Density	: 1,2 gr/cm <sup>3</sup>
Elongation at break	: ≥ % 350
Rupture force	: ≥1 N/mm <sup>2</sup>
Modulus of elasticity	: ≥0,4 N/mm <sup>2</sup>
Hardening time	: 3mm/days (20°C)

The values reported above were obtained as a result of laboratory experiments. Values may vary due to differences in job site environment.

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