

## Solvent-free, polyurethane adhesive sealant

### Description

FLEX PU-40 is a one-component, solvent-free polyurethane adhesive sealing mastic, providing:

- Resistance to temperatures ranging from -40°C to +80°C.
- Excellent bonding to any kind of building material.
- High elasticity.
- Great endurance to aging and weather.
- Dyeability after hardening, only with water-soluble paints.

### Fields of application

FLEX PU-40 is suitable for sealing vertical and horizontal joints, on various materials like concrete, aluminium, steel, wood, glass, natural and artificial stones etc., both indoors and outdoors. Also suitable for bonding these materials.

In case of grouting on natural or artificial stones, such as marble and granite, please contact ISOMAT's Technical Support Department.

### Technical data

Base:	polyurethane
Colors:	white, grey, brown
Application temperature:	from +5°C to +35°C
Film formation:	≈ 50-55 min
Curing speed:	≥ 3.5 mm/day
Hardness according to SHORE A (DIN 53505):	≈ 45
Elastic modulus at 100% elongation (DIN 52455):	1.0 ± 0.1 N/mm <sup>2</sup>
Elongation at break (DIN 53504):	≥ 450%

### Directions for use

#### 1. Substrate preparation

Substrate must be dry and free of dust, loose particles, grease etc. It is recommended that the joint is cleaned up by using a paintbrush or a wire brush and then air-blasted.

To avoid undesirable soiling at joint edges, a self-adhesive paper-tape is applied alongside the edges and then removed immediately after sealing the joint (before a film is formed).

#### 2. Application

The cartridge is inserted in the special gun and the nozzle is cut slantwise, so that it does not fit into the joint but barely touches and slides along the edges.

FLEX PU-40 is applied by moving the cartridge along the joint axis at a 45° angle. While still fresh, the mastic is leveled with a trowel.

Cleaning of tools:

Tools must be thoroughly cleaned with common solvents, while material is still fresh. If material has hardened, tools may only be mechanically cleaned.

### Consumption

- Joint 10mm x 10mm:  
1 cartridge / 3 m of joint length.
- Joint 5mm x 5mm:  
1 cartridge / 12 m of joint length.

### Packaging

- Cartridges of 310 ml.
- Sausages of 600 ml.

### Shelf-life - Storage

Shelf-life is 12 months, in dry and frost-free conditions.