

Solvent-free, polyurethane joint sealant

Description

FLEX PU-20 is a one-component, solvent-free polyurethane sealing mastic, providing:

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

Fields of application

FLEX PU-20 is suitable for sealing vertical and horizontal joints, both indoors and outdoors, on various materials like concrete, aluminium, steel, wood, glass, natural and artificial stones etc.

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
Color:	grey, white
Application temperature:	from +5°C to +35°C
Film formation:	≈120 min
Curing speed:	≥ 2.0 mm/day
Admissible joint movement:	± 25%
Elastic recovery:	85%
Hardness according to SHORE A (DIN 53505):	≈20
Elastic modulus at 100% elongation (DIN 52455):	≤ 0.40 N/mm ²
Elongation at break (DIN 53504):	≥ 600%

Directions for use

1. Substrate preparation

Substrate must be dry and free of dust, loose particles, grease etc. The joint should be cleaned with a paintbrush or wire brush and then air-blasted.

To avoid undesirable soiling at joint edges, a self-adhesive paper-tape is applied along 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 the joint but barely touches and slides along the edges.

FLEX PU-20 is applied by moving the cartridge along the joint axis at a 45° angle. While still fresh, the mastic is smoothed out with a trowel.

Cleaning of tools:

Tools must be thoroughly cleaned with common solvents, while material is still fresh. If the 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.