

Polyurethane adhesive sealant with solvents

Description

FLEX PU-50 S is a one-component, polyurethane adhesive sealing mastic with solvents, providing:

- Resistance to temperatures ranging from -20°C to +90°C.
- Excellent bonding to any kind of building material.
- High elasticity.
- Great endurance to aging (UV radiation and weather).
- Dyeability after hardening, only with water-soluble paints.

Fields of application

FLEX PU-50 S is suitable for sealing vertical and horizontal joints 5-30mm thick, 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
Application temperature:	from +5°C to +40°C
Film formation:	after 35-40 min
Curing speed:	4 mm/day
Elastic recovery:	approx. 90%
Hardness according to SHORE A:	50 ± 3
Tensile strength (ISO 53504):	3 N/mm ²
Modulus at 100% elongation (ISO 53504):	1.4N/mm ²

Elongation at break: 350%
(ISO 53504)

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 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 into the joint but barely touches and slides along the edges. FLEX PU-50 S 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 300 ml.
- Sausages of 600 ml.

Shelf-life - Storage

Shelf-life is 9 months, in dry and frost-free conditions.