

Elastic polyurethane sealant

DESCRIPTION

VOTAFLEX 100 is a one component, high grade elastomeric polyurethane sealant. When cured with humidity, it provides a permanently elastic sealant with high mechanical properties.

FIELD OF APPLICATION

VOTAFLEX 100 can be used in following;

- * Horizontal and vertical joints.
- * Sealing of expansion-construction joints.
- * Jointing of any structural elements and common subgrades like concrete, marble, stone, metal.
- * Inside and outside application.
- * Industrial floors.
- * Joints of prefabricated building elements.

ADVANTAGES

- * Single component.
- * Ease of application.
- * High elasticity.
- * Can be applied on both vertical and horizontal joints.
- * Strong adhesion to many different common structural elements.
- * Ozone and U.V. resistant.
- * Excellent resistance to ageing.
- * Can be painted.
- * Can be used without a primer.
- * Chemical resistance to mineral oils, detergents, brake fluid, diluted acids, alkali solutions,
- * Long lifetime.

APPLICATION

Joint preparation

Joints should be dry and free from dust, oil, paint, rust, curing materials, release agents or any other substances that may prevent adherence.

Wood surfaces must be scrubbed and leveled.

Metal surfaces must be free of rust.

Concrete surfaces must be dry and dust free.

Joint fillers may be used under the sealant.

Priming

No priming is needed before application but a primer may be used under special circumstances for better adhesion.

(for example; extremely porous surfaces, lacquer aluminum, surfaces continuously contact with water)

The primer should be applied 1-3 hours before the application of sealant by brush on dry joint walls.

The primed surface must be 'tack free' at time sealant application.

Application

The product can be applied using a cartridge or sausage gun.

The material can be pressed by a spatula to the side of the joint to obtain a smooth finish.

The applied product must be protected from rain etc. for 2-3 hours until initial curing is complete.

The concrete must be at least 28 days old and dry at time of application.

Precautions

The product contains isocyanides and therefore appropriate precautions must be taken during application.

If in contact with eyes, wash with plenty of water and consult a physician.

TECHNICAL SPECIFICATIONS

Shore A hardness	~ 25
Specific gravity	1.35 gr / cm ³
Color	Grey, white, black, red, green
Temperature resistance	-35°C / +80°C
Application temperature	+5°C / +35°C
Movement capacity	%25
Initial curing	60-75 min. (20°C,%50 hum.)
Modulus of elasticity	0.35-0.40 Mpa (ISO 8339)
Elongation	< 400%
Estimated lifetime	15-25 years
Standards	ASTM C-920-87

USAGE

Depending on the width and the depth of the joint, the following joint sealing may be done with 1 liter of the product; Joint Depth Joint width

6mm	12mm	20mm	25mm	40mm
6mm	27.5	13.7	8.3	6.4
10mm	8.3	5.2	4.1	2.7
16mm	5.2	3.2	2.5	