

URETHANE BUILD 2637

Product description

1-part, low modulus polyurethane sealant for connection joints in building constructions. The sealant is easy to apply with a caulking gun. The special consistency simplifies the gunability and tooling. After reaction with moisture the compound cures to an elastic and permanent rubber with good movement in the joint. The cured joint can be painted (see Technical Data). The adhesion of the paint can be improved if the joint is sanded with fine and clean sand immediately after application. Fulfils the requirements of DIN 18540-F.

Use

For interior and exterior sealing joints in insitu concrete, brickwork, metals and also round windows of wood, metal or PVC.

Instruction for use

Pre-treatment:

All surfaces must be dry and clean and free from dust and grease. Remains of oil and grease, especially on metal, glass etc must be removed with e.g. MEK. Residues of mortar and cement removed mechanically. Weathered paint on metal and wood is unsuitable as foundation. If painted surfaces shall be sealed a test is recommended to find out if a primer is needed and if any risk for change in colour is possible, especially to white joints.

Primer:

Bostik 2637 has a very good adhesion

without primer to most building materials. However, the adhesion can in certain cases be improved on e.g. absorbent and porous materials by using Bostik Primer 5075. Apply primer on the foundation and let dry for at least 15 min but not more than 4 hours before the sealant is applied.

Recommendations:

No primer: Ceramic, porcelain, stoneware, glass, aluminium, stainless steel, plastic laminate, polyester and polyurethane.
Bostik Primer 5075: Concrete, cement grout, light concrete, gypsum and untreated wood, expansion joints between elements of concrete and light concrete and in block- and brickworks.

General: When sealing to painted surfaces a test sealing is recommended due to various composition and quality of the paints.

Pre-treatment of joints:

The joint should be grounded with a backing rod and fixed on proper depth of the joint. To avoid damage on the rod, which can cause blistering in the joint, the backing rod should be applied with blunt, plain-edged tools or with a roller.

In joints with fixed backing, where there is no space for rods, flat rods or polyethylene tape can be applied to prevent the sealing compound from sticking to the back of the joint.

Unsuitable backing materials are those containing oil, tar, bitumen, hemp or mineral wool.

If necessary, the joint edges can be masked

with tape, which is removed immediately after the joint has been smoothed/tooled.

Application of the sealing compound: The best adhesion is obtained when the joint is well filled so that the material gets complete contact with the surfaces.

After-treatment of the joint:

After application of the sealing compound the surface should be smoothed/tooled with a joint peg dipped in water. Make sure that no waterleaks in between the material and the sealing compound.

Dimensioning of the joint:

It is very important that the joint is correctly dimensioned for the expected movements in the joint as well as for the maximum allowable movement for the sealing compound (for Bostik 2637: $\pm 25\%$ pressure and traction).

When dimensioning movement joints with Bostik 2637 the ratio between width/depth should be as 2/1. The width x depth of the joint should not exceed 30 x 15 mm. The joint depth should in no case be below 8 mm.

Safety

Consider regulations concerning the use of isocyanates.

For further information, please see material safety data sheet.

Technical data

Properties before application

Type	Polyurethane
Consistency	Thixotrope flexible compound
Curing system	Cures with the moisture in the air
Specific Gravity	About 1.2 g/cm ³
Working temperature	+5°C to +35°C.
Solvent	Xylene
Flammable	No
Flash point	+65°C
Storage	At least 24 months in unopened package. Dry and cool.
Packages	300ml aluminium cartridge and 600 ml foil bag

Bostik AB

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Disclaimer

The technical data we present, as well as our instructions and recommendations are all based on a variety of tests and our experience. They are intended to help the user to find the most suitable working method and get the best possible results. Since the users working conditions is beyond our control, we cannot accept any responsibility for the results obtained by the product.

Colours

White, Marble white, Bahama beige, Yellow, Brown,
Dark brown, Light grey, Grey, Concrete grey,
Anthracite, Black

Properties after application

Tack-free surface

7-8 hours at 23°C, 50% RH

Curing

1 day = 1.6 mm; 7 days = 8 mm; 14 days = 10 mm at
23°C,

Hardness

About 21°Shore A, 14 days, + 25°C, 50% RH

Movement in the joint

± 25% of original width

Modulus of elasticity

0.55 N/mm² at 100% elongation and varying moisture
and temperature down to -20°C

Temperature resistance

-30°C to +70°C, temporarily +90°C

Ageing resistance

Very good

Resistance to chemicals

Tedious resistant to water. Good at short contact with
diluted acids, lye and solvents.

Painting after cure

Possible with synthetic resin- and dispersion paints.
When using alkyd based paints and certain varnishes
the drying can be disturbed and delayed. Variations in
colour of the joint may occur due to chemical influence
from the components of the surface finish. A test
sealing is recommended.

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