

MULTI SEAL & BOND

Product description

Elastic, fast curing sealing compound with good adhesion to metal, wood, concrete, stone, ABS-plastic, PVC and similar materials.

Use

Multifog 2640 is suitable for joint filling within building construction, shipyard-, transport- and ventilation industries in interior and exterior applications. Works also in floor joints and as a multi purpose flexible adhesive.

Instruction for use

All surfaces should be dry and free from dust and grease. Remains of oil and grease, especially on metal, glass etc should be removed.

A high amount of moisture in concrete deteriorates the adhesion. Decomposed paint on metal and wood is unsuitable as foundation.

Priming

When joining against porous and absorbent materials like concrete and untreated wood, Primer 5075 should be used.

Primer should not be used against non-porous surfaces like glass, ceramic, galvanized steel, aluminum, polyester, PVC and lacquered surfaces. For cleaning and best adhesion of these materials a pre-treatment with SIMSON PREP M is recommended.

Backing material

The joint is grounded with a Bostik backing rod and fixed on proper depth of the joint. Avoid damages on the foamed rod as this can damage the sealing compound.

In shallow joints with no space for a backing rod, polyethylene tape can be used.

Backing materials containing oil, tar, bitumen, hemp or mineral wool should not be used. If necessary, the joint edges can be masked with a tape that is removed immediately after the joint has been smoothed.

Application of the sealant

The best adhesion is obtained if the joint is well filled without any air pockets and the joint at smoothing is pressed so that material gets in complete contact with the connection surfaces.

After-treatment of the joint

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

Dimensioning of the joint

It is most 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 Multifog 2640: $\pm 20\%$ compression and elongation).

A common rule when dimensioning movement joints with Bostik Multifog 2640 is that the ratio between width/depth should be 2:1. The width x depth of the joint should not exceed 30 x 15 mm. The joint depth should not be less than 8 mm.

Safety

For information, please see material safety data sheet.

Technical data

Properties before application

Type	Silane-terminated polymer
Consistency	Thixotrope flexible compound
Curing system	Cures by contact with the moisture in air
Specific Gravity	~1.5 kg/dm ³
Working temperature	+5°C to +35°C.
Cleaning	MEK, ethyl acetate, white spirit (uncured product)
Flammable	No
Flash point	>150°C
Storage	At least 9 months in unopened package stored dry and cool.
Packages	600 ml sausages and 290 ml cartridges

Properties after application

Tack-free surface	30 minutes at 23°C, 50% RH. Working time about 15 min.
Curing	1 day = 4 mm; 7 days = 15 mm
Hardness	~40°Shore A, 14 days + 25°C, 50% RH
Movement in the joint	$\pm 20\%$
Modulus of elasticity	~0.80 N/mm ² at 100% elongation
Tensile strength	~1.9 N/mm ²

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.

Elongation at break	~450%
Temperature resistance	-30°C to +80°C, temporarily +90°C
Ageing resistance	Very good
Resistance to chemicals	Good at contact with diluted acids, lye and solvents
Paintability	Yes, with water based paints. At surface finishing with alkyd- or solvent based paints and lacquers the drying may be disturbed and prolonged. A test treatment is recommended.