

BLOCK LOCK

GLASS BLOCK ADHESIVE

Product description:

BLOCK LOCK GLASS BLOCK ADHESIVE is a single-component assembly adhesive and sealer with a short open time which hardens with air humidity to a permanent elastic paste. The product is sandable and paintable, impact and vibration damping and fresh and salt water resistant.

Use areas:

BLOCK LOCK GLASS BLOCK ADHESIVE has been developed for the assembly and glueing of glass blocks. The product glues the majority of commercially available materials but has no or poor adhesion to poethylene, polypropylene, silicone, Teflon and certain plasticised plastics. When glueing, the adhesive surface should be protected from UV radiation.

Technical data 1:**Type:****Joint compound in delivery state**

MS polymer

Colour:

White

Density:approx. 1600 kg/m³**Technical data 2:****Finished joint****Skin formation time:**

5-8 minutes (at 23 °C and 50 % rf)

Hardening time:

4-6 mm/24 hours (at 23 °C and 50 % rf)

Hardness Shore A DIN 53505:

approx. 55 °

Volume change DIN 52451:

< 3 %

Tensile strength DIN 53504:2.7 N/mm²**Elongation at break DIN 53504:**

>350 %

Tear strength DIN 53515:

>2 N/mm

Shear strength DIN 53283:1.8 N/mm² 4 mm/adhesive thickness**Chemical resistance:**

Resistant to fresh, salt and lime water, water soluble cleaning products, weak acids and alkalis, and normal wastewater. Temporary resistance to fuel, mineral oils, vegetable and animal fats and oils. No or short term resistance to organic solvents, concentrated alkalis and mineral acids, varnish and paint thinners, bitumen, asphalt and alcohol.

The data provided above, together with our instructions and recommendations, are based on experience and considerable research. They are intended to help our customers to find the most suitable work method and as guidance in the choice of product. As the user's working conditions are outside our control, we cannot take any responsibility for the results obtained following the use of this product.

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User instructions

Hardening system:	air humidity
Processing temperature:	+5 °C to +35 °C
Temperature resistance:	-40 °C to +90 °C, temporarily 120°C (8 hours)
Paintable:	with the majority of emulsion paints. When using alkyd based paints and varnishes, there is a risk of long or no drying. Test painting is recommended.
Storage:	12 months in unopened packaging at +10 °C to +25 °C

INSTRUCTIONS

Preparation:	The surface must be clean, dry and free from oil, grease and any release agent. Clean mechanically, for example with emery cloth or sand jet blaster. Next degrease, and finally dry off the surface with industrial alcohol. Prime if required.
Application:	The material should be at room temperature for the best application properties. Remove the seals on the top of the cartridge. Apply manually or with a compressed air powered caulking gun. BLOCK LOCK GLASS BLOCK ADHESIVE is applied in a V-shaped bead. Place the adhesive beads so that they are exposed to air humidity. During the hardening process, in general all bearing adhesive joints should not be loaded by more than 10% of the planned load. Elastic adhesive functions at adhesive thicknesses of 1-5 mm. Adapt the adhesive thickness to what the adhesive will be exposed to: tensile, shear, peel stress and temperature. Remove any masking tape within 15 minutes. Follow the glass block supplier's assembly instructions.
Cleaning:	Unhardened BLOCK LOCK GLASS BLOCK ADHESIVE can be removed with white spirit. Hardened paste can be removed mechanically. NOTE! White spirit may not be used for cleaning before using the adhesive.

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