

POLY MAX® CRYSTAL

UNIVERSAL, CRYSTAL CLEAR CONSTRUCTION ADHESIVE AND SEALANT.



PRODUCT DESCRIPTION

Universal, crystal clear construction adhesive and sealant based on unique SMP-technology. For bonding, fixing and sealing of practically all (building) materials and all surfaces (even and uneven, porous and non-porous). Crystal clear, extra strong and permanently elastic.

FIELD OF APPLICATION

Bonding: e.g. glass, stone, natural stone, concrete, plasterwork, many plastics, wood, chipboard, trespas, iron, aluminium, zinc, steel, stainless steel and other metals, ceramic tiles, cork and mirrors.

Fixing: e.g. skirting boards, laths, timber framework, window sills, doorsteps, roof fascias, panelling and insulation material, gypsum boards, polystyrene ornaments and decorative edgings.

Sealing: applications in construction: connecting joints in (plastic) window frames, roof fascias, roofs, roof gutters, walls, skylights and chimneys. Sealing joints between window panes and frames. Not suitable for polyethylene (PE), polypropylene (PP), PTFE, PA (nylon), acrylic glass (plexiglas) and bitumen.

PROPERTIES

- Crystal clear
- Very high final bond strength
- Permanently elastic
- Can be used indoors and outdoors
- Paintable (test first)
- Good filling capacity
- Resistant to temperatures from -40°C to +100°C
- Water, UV and weather resistant
- 100% adhesive (non-shrinking)
- Bonds to slightly moist substrates
- Curing: 2 mm/24 hours

- Solvent-free
- Mould proof
- Excellent adherence without primer
- Acid-free, odourless
- With resealable nozzle

PREPARATION

Working conditions: Use only at temperatures between +5°C and +40°C.

Preliminary treatment: Surface must be clean and free of dust and grease. Use of primer not required. Surfaces may be slightly moist. Surface must be solid.

APPLICATION

Coverage: Spot bonding: approx. 5-8 m²/kg. Line bonding: 8-15 m for 1 cartridge (depending on diameter of cut off nozzle).

Directions for use:

CURE TIMES

Skin over time: approx. 35 minutes.

Cure rate: approx. 2 mm/24 hrs

* Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

TECHNICAL PROPERTIES

Moisture resistance: Very good

Water resistance: Good

Temperature resistance: From -40°C to +100°C.

UV resistance: Good

Chemicals resistance: Very good

Paintability: Paintable with acrylic and alkyd paint. Alkyd paint may slow down drying process. Always test in advance.

Elasticity: Very Good

Filling capacity: Very good

TECHNICAL SPECIFICATIONS

Base: Silyl Modified Polymer

Colour: Transparent

Viscosity: Pasty

Solid contents: approx. 100 %

Density: approx. 1,04 g/cm³

Tensile strength: approx. 210 N/cm²

Shear strength: approx. 290 N/cm²

Flash point: K3 (>55°C)

Shrinkage: approx. 0 %

Hardness (Shore A): approx. 45

Elasticity E-modulus: approx. 0,9 MPa

Elongation of rupture: approx. 250 %

SHELF LIFE

Store in a well-sealed packaging in a dry, cool and frost-free place.

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.