

# POLY MAX® LOW VOC

## UNIVERSAL CONSTRUCTION ADHESIVE.



### PRODUCT DESCRIPTION

Universal, high-quality construction adhesive based on unique SM Polymer technology with very high final bonding strength. For bonding and fixing almost all (construction) materials to almost all surfaces (both smooth, porous and non-porous surfaces). Low VOC emission. Can be used indoors and outdoors. Extra strong.

### FIELD OF APPLICATION

Bonding: glass, stone, natural stone, concrete, plasterwork, many synthetic materials, wood, chipboard, Trespa, iron, aluminium, zinc, steel, stainless steel and other metals, ceramic tiles, cork and mirrors, among others. Fixing: skirting boards, lathing, window sills, doorsteps, roof edges, construction boards, insulation materials, gypsum boards, polystyrene ornaments and decorative edging, among others. Not suitable for polyethylene (PE), polypropylene (PP), PTFE and bitumen.

### PROPERTIES

- Low VOC emission
- For indoor and outdoor applications
- Very high final bonding strength
- Permanently elastic
- Paintable (test in advance)
- Good filling capacity
- Temperature resistant from -40°C to +100°C
- Water, weather and UV resistant
- 100% adhesive (shrink-resistant)
- Adheres to lightly damp substrates
- Solvent-free
- Excellent adhesion without primer
- Acid-free, odourless
- With resealable nozzle

### PREPARATION

**Working conditions:** Only apply at temperatures between +5°C and +40°C.

**Surface requirements:** The substrate must be dry, clean and free of dust and grease. A primer is not required. The surface can be slightly moist.

**Tools:** Use sealant gun to handle cartridge.

### APPLICATION

**Coverage:** Spot bonding: approx. 5-8 m<sup>2</sup>/kg. Line bonding: 8-15 m for 1 cartridge (depending on diameter of cut off nozzle).

#### Directions for use:

Bonding and fixing: cut off nozzle to a diameter of at least 0.5 cm. Bonding and fixing: Apply adhesive in lines or dots (every 10-40 cm), plus always at corners and along edges of board material. Fix material on the right spot within 10 minutes and press or tap lightly with a rubber mallet. If necessary, secure or support heavy materials for 24 hours. Maximum final strength is reached after 48 hours, depending on substrate and working conditions.

**Stains/residue:** Use white spirit to clean tools and remove fresh stains. Dried adhesive residue can only be removed mechanically.

### CURE TIMES

**Skin over time:** approx. 10-15 minutes

**Handling time:** approx. 24 hours

**Cure rate:** approx. 2 mm/24 hrs

**Full bond strength:** Full bond strength after approx. 48 hours

\* 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:** Very good

**Chemicals resistance:** Good

**Paintability:** Paintable with acrylic and alkyd paints. Alkyd paint may slow down curing process. Always test first.

**Elasticity:** Good

**Filling capacity:** Very good

### TECHNICAL SPECIFICATIONS

**Chemical base:** Silyl Modified Polymer

**Colour:** White

**Viscosity:** Pasty

**Solid contents:** approx. 100 %

**Density:** approx. 1.65 g/cm<sup>3</sup>

**Tensile strength:** approx. 160 N/cm<sup>2</sup>

**Shear strength:** approx. 180 N/cm<sup>2</sup>

**Flash point:** K3 (>55°C)

**Shrinkage:** approx. 0 %

**Hardness (Shore A):** approx. 60

**Elongation of rupture:** approx. 160 %

### STORAGE CONDITIONS

At least 18 months after date of manufacture. Limited shelf life after opening. Close container properly and store in a dry, cool and frost-free location.