

# POLY MAX® HIGH TACK EXPRESS

## SOLVENT-FREE ASSEMBLY ADHESIVE WITH VERY HIGH INITIAL BOND STRENGTH AND VERY FAST STRENGTH GAIN.



### PRODUCT DESCRIPTION

Solvent-free assembly adhesive based on SMP-Polymer with very high initial bond strength and very fast strength gain. Excellent for heavy materials.

### FIELD OF APPLICATION

For bonding and fixing many construction materials on practically all surfaces, such as wood, plaster, (natural) stone, (cellular) concrete, metal, hard foam and various synthetics.

Suitable for internal and external applications, such as panels, ceiling elements, roof fascias, panelling and insulation material, mirrors, timber framework, skirting boards and laths.

For all professional applications including wall and interior construction, house, utility and bodywork building. Not suitable for PE, PP, PTFE, pure plaster and bitumen. When bonding synthetics always perform an adhesion test first.

Adhesion to plastics can vary depending on the type of synthetic and the quality of the plastic.

### PROPERTIES

- Very high initial bond strength
- Very fast strength gain
- Permanently elastic
- Very good filling capacity
- Good standing power
- Non-shrinking; 100% adhesive
- Solvent-free
- No soiling of joint edges
- All-weather resistant
- Resistant to temperatures between -40°C and +100°C
- Paintable
- Curing ca. 2 mm/24 hours

### QUALITY LABELS/STANDARDS

ATG: Mounting adhesives. Certificate ATG 15/2870.

KOMO: Assembly adhesive. Certificate 32992 based on BRL 3107.

### PREPARATION

**Working conditions:** The ambient temperature, the adhesive and the materials to be bonded should be no less than +5°C.

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

**Tools:** Sealant gun and rubber hammer.

### APPLICATION

**Coverage:** One cartridge issues approx. 7-9 metres of adhesive.

#### Directions for use:

Only apply with special nozzle supplied. Depending on the weight of the material, apply the adhesive evenly in vertical strips or dots at intervals of between 10 and 40 cm. Always apply adhesive to the corners and along the edges. Mutual moving of materials (facade panels) can be accommodated through an adhesive thickness of 3 mm (use spacer blocks, or tape). Assemble materials with a sliding movement and press or hammer firmly together. Correction is still possible. Close the cartridge properly immediately after use.

**Stains/residue:** Remove adhesive residues immediately with white spirit. Dry adhesive residue can only be removed mechanically.

**Points of attention:** The following drying times are based on bonding at least one porous material and an adhesive layer of approx. 1 mm thickness. If two non-porous materials are being bonded and/or the layer of adhesive is thicker, the drying times may be substantially longer.

### CURE TIMES

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

**Handling time:** approx. 30 minutes

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

**Full bond strength:** Full bond strength after approx. 4 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:** Goed

**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

**Chemical base:** SMP-Polymer

**Colour:** Black

**Viscosity:** Pasty

**Solid contents:** approx. 100 %

**Density:** approx. 1.53 g/cm<sup>3</sup>

**Tensile strength:** approx. 320 N/cm<sup>2</sup>

**Shear strength:** approx. 400 N/cm<sup>2</sup>

**Flash point:** K3 (>55°C)

**Shrinkage:** approx. 0 %

**Hardness (Shore A):** approx. 70

**Elasticity E-modulus:** approx. 2,5 MPa

**Elongation of rupture:** approx. 200 %

## STORAGE CONDITIONS

Minimum 12 months. Best Before Date (MM/YY): see packaging. Opened packaging reduces the shelf life. Store dry in sealed packaging between +5°C and +25°C.