POLY MAX® HIGH TACK EXPRESS

SOLVENT-FREE ASSEMBLY ADHESIVE WITH VERY HIGH INITIAL BOND STRENGTH.



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 plastics. Drywall construction: Bonding/fixing of UW rails in floor, ceiling and wall areas. Suitable for internal and external applications, such as panels, ceiling elements, roof fascias, plasterboard, 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, gypsum and bitumen. When gluing plastics 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. 1.6 mm/24 hours

CERTIFICATES & STANDARDS

Certificates	
KOMO®	KOMO: Assembly adhesive. Certificate 32992 based on BRL 3107.
atg	ATG: Mounting adhesives. Certificate ATG 2870.
TÜV SÜD	TÜV SÜD: Approval mark for screwless mounting of metal stud interior walls, certificate nr. 20 01 90 317 001 based on work instruction nr. MUC-KSP-A 1044
TÜVRheinland CERTIFIED	TÜV: Approved and certified by TÜV Rheinland on shear strength, tensile strength, elasticity and adhesion to different materials. Certificate TÜV 43168.
GEV-EMICODE EC 1 PLUS very low emission	EMICODE: Classification system (GEV) of emission properties for construction products in indoor areas. EC-1 Plus (Very low emission Plus)

PREPARATION

Working Conditions: Application temperature: -10°C to +40°C. The optimum processing temperature for cartridge and surface is between 5°C and 25°C.
Surface Requirements: 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.

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.

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APPLICATION

Coverage: One cartridge issues approx. 7-9 metres of adhesive.
Directions for use:
Before using open cartridge at the top by cutting off the plastic nipple above the thread with a sharp knife. Then fix the nozzle and cut at an angle (opening at least Ø 5 mm).
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.

TECHNICAL SPECIFICATIONS

100% modulus:	2.2 MPa
Bonding technique:	1-Sided application
Chemical base:	SMP Polymer
Chemicals resistance:	Good
Cure rate:	1.6 mm/24h
Density approx.:	1.52 g/cm³
Elasticity:	Good
Elongation of rupture:	100 %
Filling capacity:	Very good
Final bond strength:	400 N/cm²
Final bond strength after:	4 hours. This might vary, based on circumstances, like materials, temperature and humidity.
Hardness (Shore A):	73
Initial Bonding after:	30 minutes. This might vary, based on circumstances, like materials, temperature and humidity.
Initial bond strength:	100 N/cm²
Minimum temperature resistance:	-40 °C
Maximum temperature resistance:	100 °C
Mildew resistance:	Good
Moisture resistance:	Very good
Paintability:	Good
Shear strength:	400 N/cm²
Skinover time:	10-15 minutes
Solid matter approx.:	100 %
Solvent free:	Yes
Tensile strength (N/cm²) approx.:	280 N/cm²
UV resistance:	Good
Viscosity:	Pasty
Water resistance:	Good

STORAGE CONDITIONS

Shelf life: At least 18 months after production.
Store dry in sealed packaging between +5°C and +25°C.
Limited shelf life after opening.

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