AQUA MAX®

WATER-RESISTANT SOLVENT-FREE MOUNTING ADHESIVE AND SEALANT



PRODUCT DESCRIPTION

Water-resistant solvent-free mounting adhesive and sealant based on SMP Polymer.

FIELD OF APPLICATION

For the bonding, assembly and sealing of almost all materials on almost all surfaces. Extremely suitable for swimming pool construction, ponds and agriculture. Suitable for all kinds of applications in and around the swimming pool such as for skimmers, edges, tiles, drains, roofing, outflow pipes and dilatation joints. Furthermore, suitable for applications around ponds such as drains, conduits and pond edges. Even suitable for underwater applications Not suitable for PE, PP, PTFE, pure plaster 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.
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PROPERTIES

· (Chlorine/sea) water resistant
· UV resistant
· Very high final bond strength
· Very high, permanent elasticity
· Very good filling capacity
· Good standing power
· Non-shrinking, 100% adhesive
· Solvent-free
· No soiling of joint edges
· Resistant to temperatures between -40°C and +100°C
· Paintable

PREPARATION

Working Conditions: The ambient temperature, the adhesive and the materials to be bonded should be no less than +5°C.
Surface Requirements: Surfaces must be clean, dust- and greasefree. Surface must be solid. The surface can be moist. Use of primer not required.
Tools: Cartridge gun and rubber hammer.

APPLICATION

Coverage: With spot bonding: 5-8 m^2/kg. Stripes: one cartridge issues approx. 8-15 metres of adhesive (depending on the diameter of the cut nozzle).
Directions for use:
Cut off screw thread, assemble nozzle and cut to a diameter of at least 0.5 cm.
BONDING: Cut off screw thread, assemble nozzle and cut to a diameter of at least 0.5 cm. 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. Assemble materials with a pushing movement and press or knock firmly together. Correction is still possible. For heavy materials, fastenings or supports may be required. Close the cartridge properly immediately after use. SEALING: Cut off screw thread, assemble nozzle and cut at an angle to the desired joint width. Apply the sealant to the bottom of the joint and tool within 10 minutes using a wet finger (water with washing up liquid without lemon), putty knife or sealant smoother. 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: Because of the continually changing water quality in swimming pools, it is not possible to indicate life expectancy when the product is in protracted contact with swimming pool water.

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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TECHNICAL SPECIFICATIONS

Colour:	White
100% modulus:	1.3 MPa
Chemical base:	SMP Polymer
Chemicals resistance:	Good
Cure rate:	2 mm/24h
Density approx.:	1.51 g/cm³
Elasticity:	Good
Elongation of rupture:	250 %
Filling capacity:	Very good
Final bond strength:	250 N/cm²
Final bond strength after:	48 hours. This might vary, based on circumstances, like materials, temperature and humidity.
Hardness (Shore A):	55
Initial Bonding after:	24 hours. This might vary, based on circumstances, like materials, temperature and humidity.
Minimum temperature resistance:	-40 °C
Maximum temperature resistance:	100 °C
Mildew resistance:	Good
Moisture resistance:	Very good
Paintability:	Good
Shear strength:	250 N/cm²
Skinover time:	30-45 minutes
Solid matter approx.:	100 %
Solvent free:	Yes
Tensile strength (N/cm²) approx.:	235 N/cm²
UV resistance:	Good
Viscosity:	Pasty
Water resistance:	Good

STORAGE CONDITIONS

Shelf life: At least 18 months after production.
A minimum of 18 months. Best Before Date (MM/YY): see packaging. Limited shelf life after opening. Store dry in sealed packaging between +5°C and +25°C.
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