

UHU[®] ULTRA MONTAGEKLEBER

UNIVERSAL, ELASTIC ASSEMBLY ADHESIVE WITH SUPER-FAST FINAL STRENGTH BUILD-UP.



PRODUCT DESCRIPTION

Universal, elastic assembly adhesive with super-fast final strength build-up based on unique SMP technology. For super fast and solidly fixing of wood, synthetics, metal, stone, plaster, tiles and polystyrene foam onto various kinds of surface including concrete, stone, plasterwork, wood, chipboard, metals and synthetics. Can be used internally and externally, and as filling. No need for nails and screws.

FIELD OF APPLICATION

Suitable for assembling all kinds of (building) materials, such as wood, stone, concrete, metal and many synthetics on nearly all substrates of stone, concrete, wood, metal, synthetics, plasterwork, gypsum board, etc. Also very suitable for surface bonding two non-porous materials. Not suitable for PE, PP, PTFE 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

- Super-fast building of final bonding strength
- Very high final bond strength
- Easy to apply
- Can be used internally and externally
- Solvent-free
- Acid-free, odourless
- Filling
- Permanently elastic
- 100% adhesive (non-shrinking)
- Universally applicable
- Suitable for uneven surfaces
- Correctable
- UV, water and all-weatherresistant
- Moisture resistant
- Temperature resistant
- Paintable (test first)
- With closable spout

PREPARATION

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

Surface requirements: Both parts must be solid, clean, free of dust and grease. Use of primer not required. The surface may be slightly moist.

Tools: If necessary, use a rubber mallet to tap lightly.

APPLICATION

Coverage: Wall covering sheets and panels: about 5-8 m²/kg depending on the weight of the material. Lathing, skirting boards and timber framework: about 4-6 m²/kg glued surface.

Directions for use:

Depending on the weight of the material, apply the adhesive evenly in strips or dots at intervals of between 20 and 30 cm. Always apply adhesive to the corners and along the edges. For surface bonding apply adhesive thinly and evenly on one side using a glue spreader. Assemble materials with a pushing movement and press or knock firmly together. Correction is still possible. For heavy materials fasten or support where necessary.

Stains/residue: Use white spirit for cleaning tools and removing wet adhesive residue. 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*

Skinover time: approx. 10-15 minutes

Handling time: approx. 30 minutes. This might vary, based on circumstances, like temperature and humidity.

Cure rate: approx. 2 mm/24 hrs

Drying/Curing time: approx. 4 hours. This might vary, based on circumstances, like temperature and humidity.

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* 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: -40°C - +100°C

UV resistance: Good

Mildew resistance: Good

Chemicals resistance: Good

Paintability: Good

Elasticity: Good

Filling capacity: Very good

TECHNICAL SPECIFICATIONS

Chemical base: SMP Polymer

Colour: White

Consistency: Pasty

Viscosity: approx. Thixotropic

Solid matter: approx. 100 %

Density: approx. 1.46 g/cm³

Tensile strength: approx. 250 N/cm²

Shear strength: approx. 350 N/cm²

Flash point: K3 (>55°C)

Shrinkage: approx. 0 %

Hardness (Shore A): approx. 60

100% modulus: approx. 1.9 MPa

Elongation of rupture: approx. 250 %

STORAGE CONDITIONS

At least 18 months after production. Limited shelf life after opening. Close container properly and store in a dry, cool and frost-free place.

Note: This information is the result of carefully executed tests. This Technical Data Sheet has been prepared to the best of our knowledge to provide you with advice when gluing. We cannot be held responsible for the results or any damage suffered, as the variety of factors involved (type and combination of materials and working method) are beyond our control. Users have to carry out their own checks and trials. Liability can only be accepted for the consistently high quality of our product.