

**UHU**<sup>®</sup>

# THE ALL PURPOSE ADHESIVE

## CRYSTAL-CLEAR SYNTHETIC RESIN ADHESIVE FOR A UNIVERSAL APPLICATION



### PRODUCT DESCRIPTION

UHU All Purpose Adhesive, the proven liquid synthetic resin adhesive for fast and crystal-clear bonds. Suitable for universal applications at home, in the office, for modelling, at school, for crafts etc. Glues various materials rapidly and durably. Once applied, the glue remains temporarily adjustable and does not wrinkle paper.

### FIELD OF APPLICATION

Universal - glues wood, wood based materials, plastics (ABS, hard and soft PVC, Plexiglas<sup>®</sup>, polystyrene, Resopal<sup>®</sup>), metal, glass, porcelain, ceramic, leather, rubber, felt, cork, fabrics, cardboard, paper, and much more. Not suitable for Styrofoam<sup>®</sup>, Polyethylene (PE) and Polypropylene (PP).

### PROPERTIES

- liquid
- crystal-clear
- fast drying
- temporarily adjustable
- does not wrinkle paper

### PREPARATION

**Working conditions:** Do not use at temperatures below +5°C.

**Surface requirements:** Materials to be glued must be clean, dry and free of dust and grease.

**Preliminary surface treatment:** When glueing plastics or metal, better results can be obtained if the parts to be stuck together are slightly roughened first.

### APPLICATION

#### Directions for use:

\_ Apply the adhesive thinly to one side of the assembly, press the parts together - that's it! For non-absorbent materials (e.g. ceramic, coated papers), apply to both sides of the assembly, leave to dry, re-apply and press the parts together.

**Stains/residue:** Remove wet glue stains immediately. Dried glue residue and glue stains in clothing can be removed with acetone.

**Points of attention:** Contains volatile, highly inflammable solvents.

Appropriate precautions should therefore be taken during storage or when working with the adhesive.

### CURE TIMES\*

**Drying/Curing time:** approx. Bond strength: on beechwood test specimens tensile strength values (end values) of about 700 N/cm<sup>2</sup> have been obtained.

**Final bonding strength after:** approx. Approx. two thirds of the final strength are obtained after 24h.

\* Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

### TECHNICAL PROPERTIES

**Temperature resistance:** The glue's heat resistance is determined by the thermoplastic nature of its synthetic resin. Thus, glued parts should not continuously be exposed to temperature above 70°C.

**Chemicals resistance:** Widely resistant against diluted acids, alkalines and also petrol and oil. NOT SUITABLE FOR: alcohols (e.g. denatured alcohol, white spirit), ketones (e.g. acetone), esters (e.g. ethyl acetate).

### TECHNICAL SPECIFICATIONS

**Appearance:** colourless, highly transparent solution

**Chemical base:** polyvinylester

**Consistency:** Low viscosity

**Viscosity:** approx. 30 - 45 mPa.s.

**Solvent:** Mixture of low-boiling esters, ketones and alcohol

**Solid matter:** approx. 32-35 %

**Density:** approx. 0,97-0,99 g/cm<sup>3</sup>

**Specifications:** Electrical Data:

Specific volume resistivity (at 0,1 mm film thickness): 10<sup>14</sup> Ω x cm

Breakdown voltage (at 0,2 mm film thickness): 440 kV/cm

Surface resistance (at 0,2 mm film thickness): 2 x 10<sup>11</sup> Ω x cm

### STORAGE CONDITIONS

Store in a dry, cool and frost-free place.

### PHYSIOLOGICAL PROPERTIES

The dried adhesive is inert, completely neutral and physiologically indifferent.

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### PACK SIZES

tube: 7ml, 20ml, 35ml, 45ml, 60ml, 125ml

can: 500ml

canister: 5kg

plastic tube: 20ml

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.