

# UHU® ALLPLAST

## POWERFUL UNIVERSAL ADHESIVE FOR PLASTICS



### PRODUCT DESCRIPTION

UHU allplast is a transparent, powerful universal adhesive for plastics, multi-purpose domestic applications, handicraft work, repairs and model building. The hard adhesive film remains transparent and is temperature resistant.

### FIELD OF APPLICATION

Suitable for bonding numerous types of plastics such as polystyrene and high impact polystyrene types (ABS, SAN, SB, ASA), PVC hard. It also glues materials such as wood, paper, cardboard, leather, metals, glass, ceramics. Not suitable for polyamide (PA), acetal resin (POM) polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE), silicones (Si), Styropor® and not suitable for leather used for clothing.

### PROPERTIES

- Forms a hard but flexible adhesive bond with a thermoplastic character
- Resistant from -30°C to approx. +90°C
- Resistant against water, oil and alcohol

### PREPARATION

**Personal safety:** It contains volatile, highly flammable solvents. Therefore, corresponding safety measures should be taken regarding processing and storage.

**Surface requirements:** The surface must be dry, clean and free of dust and grease.

### APPLICATION

**Dilute:** Acetone

### Directions for use:

Depending on the specific requirement, one or both of the parts to be connected are spread with adhesive and joined together immediately. An initial bond strength is attained after 5 - 10 minutes. The high bond strength of UHU allplast on plastics is attained by slightly dissolving the surface of the plastic material. For this reason, the adhesive should only be applied in small quantities on low caliper plastics.

**Stains/residue:** Adhesive residues and stains can be removed with acetone or thinner for nitrocellulose lacquer.

### CURE TIMES\*

**Drying/Curing time:** approx. 5-10 minutes. This might vary, based on circumstances, like temperature and humidity.

**Final bonding strength after:** approx. 24 hours

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

### TECHNICAL PROPERTIES

**Water resistance:** Good

**Temperature resistance:** -30°C - +90°C

### TECHNICAL SPECIFICATIONS

**Appearance:** Transparent liquid

**Chemical base:** Acrylic Ester/PVC Copolymer

**Bonding technique:** Wet adhesion

**Colour:** Crystal Clear

**Consistency:** Low viscosity

**Viscosity:** approx. 2.000 mPa.s., Liquid

**Solid matter:** approx. 20 %

**Density:** approx. 0.9 g/cm<sup>3</sup>

**Specifications:** Appearance: colourless, clear solution

Consistency: low viscosity

Solid content [%]: 19-22

Solvent: ketones/ ester

Flash point [°C]: -19

Danger class (VbF): A I

### STORAGE CONDITIONS

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

### PHYSIOLOGICAL PROPERTIES

The dried adhesive is indifferent, neutral and physiologically safe.

### PACK SIZES

30 g