



# UHU PLASTICS

POWERFUL UNIVERSAL ADHESIVE FOR PLASTICS



## PRODUCT DESCRIPTION

UHU plastics 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. 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), silicons (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

### 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 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.

## TECHNICAL SPECIFICATIONS

Bonding technique:	Wet adhesion
Chemical base:	Acrylic ester/PVC copolymer
Chemicals resistance:	Water, greases, oils, alcohol
Colour:	Crystal clear
Consistency:	Medium viscosity
Density approx.:	0.9 g/cm <sup>3</sup>
Drying/Curing time approx.*:	5-10 minutes
Final bond strength after:	24 hours
Minimum application temperature:	10 °C
Minimum temperature resistance:	-30 °C
Maximum temperature resistance:	90 °C
Moisture resistance:	Good
Solid matter approx.:	20 %
Solvent:	Mixture of esters and ketones
Transparent:	Yes
Viscosity:	Liquid
Viscosity approx.:	2000 mPa·s
Water resistance:	Good

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

## PHYSIOLOGICAL PROPERTIES

The dried adhesive is indifferent, neutral and physiologically safe.

## STORAGE CONDITIONS

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

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.