

UHU The All Purpose Adhesive

UHU The All Purpose adhesive is a colourless synthetic resin adhesive for universal application in do-it-yourself work, in home, office and model building etc. UHU The All Purpose Adhesive glues many materials fast and permanent. The parts to be glued remain re-adjustable for a short time.

Specification:	Appearance:	Colourless, highly transparent solution
	Consistency:	low viscosity
	Base:	polyvinylester
	Viscosity [dPa.s]:	30 - 45
	Solid content [%]:	32 - 35
	Density [g/cm ³]:	0.97 – 0.99
	Solvent:	mixture of low-boiling esters, ketones and alcohol
	Flash point [°C]:	- 13
	Directives:	highly flammable
	Danger symbol:	flame symbol
	Danger class VbF:	B

Properties:

UHU The All Purpose Adhesive exhibits excellent adhesive strength on metals, wood, paper, textiles and leather and is also very suitable for the bonding of such materials with glass, ceramic materials and Plexiglas®.

The glue's heat resistance is determined by the thermoplastic nature of its synthetic resin. Thus, glued parts should not continuously be exposed to temperatures above 70 °C. However, the maximum temperature resistance of a completely dried adhesive film is at least 120 °C.

UHU The All Purpose is resistant against water, 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) and aromatic solvents (e.g. toluene, xylene).

Bond strength: on beechwood test specimens tensile strength values (end values) of about 700 N/cm² have been obtained.

Electrical Data:	Specific volume resistivity:	at 0.1 mm film thickness: 10 ¹⁴ Ω·cm
	Breakdown voltage:	at 0.2 mm film thickness: 440 kV/cm
	Surface resistance:	at 0.2 mm film thickness: 2 x 10 ¹¹ Ω·cm

Physiological Properties:

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

Treatment:

The surface for bonding must be clean, dry, and free of oil, grease and dust. Depending on the requirement, one or both of the parts for joining are spread with adhesive and brought together immediately, but in any case not later than after one minute. The increase in strength occurs after evaporation of the solvent. Approx. two thirds of the final strength are obtained after 24 h.

Cleaning:

Smearred adhesive should be wiped off as soon as possible. Dried residues, spots on clothing etc. can be removed with UHU dissolving agent. Denatured alcohol or acetone can be used as an alternative.



Technical Data Sheet

UHU The All Purpose Adhesive

Precaution:

UHU The All Purpose Adhesive contains volatile, highly inflammable solvents. Appropriate precautions should therefore be taken during storage or when working with the adhesive.

Package sizes: tube: 7g, 20g, 35g, 45g, 60g, 125g

tin: 500g

can: 5kg

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.