

PORCELAIN/CERAMICS SPECIAL SUPER GLUE UHU

CLEAR SINGLE COMPONENT REACTION ADHESIVE



PRODUCT DESCRIPTION

Clear single component reaction adhesive based on cyanoacrylate which in seconds to minutes enables extra strong bonds on numerous materials.

FIELD OF APPLICATION

solid materials with a smooth surface, e.g. for many plastics such as rigid PVC (polyvinyl chloride), ABS (acrylonitrile-butadiene-styrene, shock resistant polystyrene), PS (polystyrene), acrylic resin (Plexiglas®), polycarbonate (Makrolon®), phenolic resins (Bakelite®), as well as steel, iron, light and heavy metals.

UHU Porzellan/ Keramik Spezialsekundenkleber is only partly suitable for use on glass, as over a period of time the bond becomes brittle, causing it to weaken. Not suitable for use on materials such as polyethylene (PE), polypropylene (PP), silicone resins and rubbers (Si) and polyfluoroethylene (PTFE, Teflon®). It is also not suitable for use on expanded polystyrene (Styropor®).

PREPARATION

Personal safety: Cyanoacrylate adhesives harden extremely quickly in the presence of moisture (such as air humidity, moisture in the skin, perspiration, skin sebum, tears, etc.). Care must therefore be taken during use, particularly as regards children and contact with the skin and eyes. Even without treatment, cyanoacrylate adhesives dissolve naturally with time.

Surface requirements: Perfect adhesive bonding requires clean and dry surfaces. Any dust, oil, grease, wax or separating agent should therefore be thoroughly removed from the surfaces to be stuck together. The best way to achieve this is to rub the parts a number of times with appropriate solvents, such as acetone (if this is suitable for the material – check first!).

For metals and metal alloys it is usually sufficient to roughen the surface using emery paper or by grinding or brushing.

APPLICATION

Directions for use:

UHU super glue is applied straight from the pipette onto one of the two surfaces to be stuck together. The other part is immediately placed on it and they are pressed together. After use, any excess adhesive smeared on the pipette tip should be wiped off using a paper cloth.

Depending on the properties of the material and the quantity of adhesive applied, the assembly is firm to the touch after between a few seconds and a few minutes. The final bond is achieved after approx. 12 hours.

On suitable materials, assemblies can be unstuck at temperatures of 180°C or by prolonged exposure to water or acetone (check for suitability).

After application when the surfaces to be joined are pressed together, the adhesive bond polymerises in seconds (up to approx. 30 - 120 sec) to form a synthetic resin and therefore joins both surfaces very strongly.

Stains/residue: Excess or smeared adhesive should be removed as quickly as possible by rubbing with acetone on a lint-free cloth (if this is suitable for the material).

Fresh specks of adhesive can also be removed from fabrics using acetone (check for suitability first).

If the skin becomes stuck, soak for as long as possible in warm soapy water and prise apart carefully without using force; moisturise the skin afterwards.

A further possibility is to rub the fingers in warm water and push a paperclip or piece of wire between them. After some time the fingers can be separated. The affected areas may also be treated immediately with acetone or nail polish remover. As organic solvents also remove grease, we recommend applying hand cream afterwards. Should any specks of adhesive remain, these can be rubbed away using a pumice stone. In the event of the product being sprayed into the eyes or mouth, the eyes or mouth must be kept open and rinsed with plenty of water. If necessary, seek medical advice.

Because of the particular fumes developed by cyanoacrylate adhesives, it is advisable to ventilate the premises well when using relatively large quantities.

Advice: As this adhesive needs moisture for hardening, the process can be speeded up by breathing on one of the parts of the assembly. The hardening process may take longer if humidity is low.

TECHNICAL SPECIFICATIONS

Appearance: colourless, clear

Chemical base: cyanoacrylic-acid-ethylester

Consistency: Low viscosity

Viscosity: approx. 0,5 mPa.s.

Density: approx. 1,07 g/cm³

Specifications:

Flash point [°C]: +80

Danger class [VbF]: A III

STORAGE CONDITIONS

Like all cyanoacrylate-based instant adhesives, UHU super glue cannot be kept indefinitely. After use, the Pipette should be closed and kept as cool as possible, e.g. in a refrigerator.

PORCELAIN/CERAMICS SPECIAL SUPER GLUE UHU

PACK SIZES

tube 3g

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.