



DEKAPUR 2K-90

Polyurethane adhesive

DEKAPUR 2K-90 is an (ultra)-rapid-curing, easy-to-use 2-component polyurethane adhesive that is ideal for structural repairs and for bonding plastic parts. DEKAPUR 2K-90 was developed especially for small, quick and lasting repairs (smart repair).

DEKAPUR 2K-90			
Art. No.	Size	Container	Colour
6252612	50 ml	Double cartridge	Black

Your advantages:

- Quick and inexpensive repairs
- Works on nearly all plastics
- Highly stable (thixotropy), also suitable for vertical applications
- Flexible
- Rapid-curing
- Short clamping time and can be sanded soon after application
- Contains no volatile organic compounds so does not shrink

DEKAPUR 2K-90 Polyurethane adhesive

Technical details

Product description

DEKAPUR 2K-90 is an (ultra)-rapid-curing, easy-to-use 2-component polyurethane adhesive that is ideal for structural repairs and for bonding plastic parts. The curing process is based on a chemical reaction between the two components (mixing ratio 1:1). They form a stable polymer compound that can withstand high temperatures, moisture, fuels, many solvents and most chemicals. DEKAPUR 2K-90 was developed especially for small, quick and lasting repairs (smart repair).

Applications

- Quick repairs of damaged sides of caravans and mobile homes
- Repairs of broken plastic parts such as bumpers, spoilers, lights, front grilles, surfboards, etc.
- Fills holes and cracks, even in metal, wood, stone and glass
- Any other general bonding that requires a quick curing process

How to use

Temperature for application: Between +15 °C and +25 °C.

Materials: The surface to be treated must be flat, dry and free from dust and grease. It can help to sand and clean aluminium and other metals.

Application method: Manual gun.

Preparation: To prepare the 50 ml cartridge, remove the cap by turning it 180°. Then put the mixing tip back on the cartridge and turn the cap 180° again.

Mixing: Before applying the compound, dispense approx. 2 – 5 cm of not well mixed product to ensure that the A + B components of the final product are properly mixed. Please dispose this material appropriately.

Working time: approx. 90 seconds.

Application: The mixture must be used immediately. Apply DEKAPUR 2K-90 to one side.

Assembly: After applying the adhesive, assemble the components within the working time.

Clamping time: approx. 5 minutes.

Cleaning: Uncured DEKAPUR 2K-90 can be removed with acetone.

After mixing, leave the mixing tip on until you want to use the 2K-PU plastic repair adhesive again. If the product is stored correctly, the remaining adhesive will remain usable for several weeks. To use the 2K-PU plastic repair adhesive again, remove the affixed mixing tip and dispose of it properly. Carefully clean the cartridge nozzle; the products in both chambers must be strictly separated. If there is still residue of the black mixture on one side, squeeze some of the product out of the openings without an affixed mixing tip until each component is in its chamber alone. Then, affix a new mixing tip, squeeze some of the product out to ensure that it is properly mixed, and start using the product again.

Adhesion

Generally, DEKAPUR 2K-90 adheres well to clean, dry substrates that are free from dust and grease; these substrates include various types of plastic, polystyrene and polyurethane foam, putty, wood and plywood. Lightly sanding metal surfaces and degreasing them with acetone before application ensures excellent adhesion. For coated surfaces, we recommend removing the coating by sanding and degreasing with acetone. For the properties of substrates that are not on the list and for more detailed information, please contact your DEKALIN customer service directly.

Storage

DEKAPUR 2K-90 can be stored in a sealed (unopened) container for 12 months in a dry place at a room temperature of +15°C to +25°C.

Safety precautions

Please consult our current material safety data sheet for further information.

Transport classification

Please consult our current material safety data sheet for further information.

**Consult the safety data sheet
or the container label for safety notes.**

Technical data

Colour (standard)	Black (A)/White (B) (black after mixing)
Base material	Reactive isocyanate pre-polymer (A)/ Reactive polyol mixture (B)
Specific density (20 °C), DIN 51757	approx. 1.45 kg/l
Appearance	good standing paste
Working time (23°C)	90 seconds
Can be sanded after (23°C)	10 minutes
Clamping time (23°C)	5 minutes
Can be coated after (23°C)	> 10 minutes
Shore D hardness	approx. 63
Tensile stress	> 23 MPa
Shear stress (ASTM D 1002)	> 5 MPa
Elongation at break	approx. 55%
Temperature resistance (fully cured)	-30 °C to +90 °C
Container sizes	50 ml double cartridges (2 x 25 ml)