

## TECHNICAL DATA SHEET

# DEKAPUR 2K-90 POLYURETHANE ADHESIVE

### PRODUCT

**Dekapur 2K-90** is a (very) fast curing, easy to use structural 2-component polyurethane adhesive, ideal for structural repairs and bonding plastic parts. It cures by a chemical reaction of the two components (mixing ratio 1:1), forming a durable polymer resistant to elevated temperatures, moisture, fuel, many solvents and chemicals. **Dekapur 2K-90** is specifically designed for small, quick and durable repair jobs (smart repair).

### APPLICATIONS

- Repair of broken plastic parts, such as bumpers, spoilers, lights, front grills, surf boards, etc.
- Filling of holes and gaps, also on e.g. metal, wood, stone and glass.
- General bonding applications where a fast curing is required.

### FEATURES

- Easy and cost effective repair.
- One product for almost all plastics.
- Very good sag resistance (thixotropy), allowing vertical application.
- Flexible.
- Missing parts can be rebuild.
- Very fast curing.
- Different working times available.
- Quick sanding times and short clamping times.
- Contains no VOC's, no shrinking.

### TECHNICAL DATA

Chemical base	: isocyanate prepolymer (A) & reactive polyol mixture (B)
Basic material	: polyurethane
Consistency	: liquid
Specific gravity	: ca. 1.45 kg/liter
Viscosity (20°C)	: thixotropic
Colour	: black
Working time (23°C)	: 90 seconds
Sanding time (23°C)	: 10 minutes
Working time (23°C)	: 5 minutes
Working time (23°C)	: > 10 minutes
Tensile strength	: > 23 MPa
Shore D Hardness	: ca. 63
Elongation at break	: 55%
Shear strength (ASTM D 1002)	: > 5 MPa
Temperature resistance	: -30°C till +90°C
Packaging	: 50 ml cartridges

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#### ADHESION

In general **Dekapur 2K-90** adheres well without primer on different kind of plastics, polystyrene foam, polyurethane foam, plaster, wood and plywood. On metal sheets an excellent adhesion is achieved by sanding and degreasing with acetone. For lacquered and coated surfaces we recommend to remove the layers by sanding and degreasing with acetone. For more detailed information, please contact Dekalin.

#### METHOD OF USE

Application conditions:	Application temperature between +15°C and +25°C and a relative humidity between 40% and 60%.
Substrate:	The substrate should be dry, clean and free of dust and grease. Smooth non porous materials, such as metals, should be roughened and degreased.
Application method:	Dispensing gun
Preparation:	To prepare the 50ml cartridge, first remove the cap from the cartridge, by turning the cap 180° and remove. Place the mixer tip by placing it back on the cartridge and turn 180°.
Mixing:	Before applying, dispense ca. 2 - 5 cm of 'off-ratio' product to ensure that the A+B Components of the final product are properly mixed. Please dispose this material the right way.
Working time:	Ca. 90 seconds
Application:	The mixture has to be applied immediately. Apply <b>Dekapur 2K-90</b> on one side
Assembling:	After applying the adhesive, assemble the parts (within the open time)
Clamp time:	Ca. 5 minutes
Cleaning:	Uncured <b>Dekapur 2K-90</b> can be removed with e.g. acetone.

#### STORAGE STABILITY

**Dekapur 2K-90** can be stored for 12 months in an original, unopened container in a dry place at temperatures between +15°C and +25°C.

#### SAFETY PRECAUTIONS

Consult our latest safety data sheet for more details.

#### TRANSPORT CLASSIFICATION

Consult our latest safety data sheet for more details.

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