

PERMACOL[®] UV 370/2**UV curable adhesive for bonding glass and metals**

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PERMACOL UV-adhesive type 370/2 is a one component adhesive, that can be cured with UV-A-light in the 360-380 nanometer range. Best results are obtained with wavelengths of the highest possible intensity.

PERMACOL UV 370/2 is a low viscosity adhesive used for high strength bondings of glass-glass and glass-metals. Due to its composition, this adhesive resist water and humidity after curing. The glue film remains clear and transparant.

Product properties:

Resin composition	: urethane-acrylate resin
Colour	: crystal clear
Viscosity	: 750 mPa.sec / 23°C
Specific gravity	: 1,06-1,08 g/cm ³
Toxicity	: contains some toxic agents
Storage stability	: 12 months 15 - 25°C (closed and dry)

Curing time (360-380 nanometer): 4 - 5 sec setting time

At 15 mWatt/cm² : 30 sec full cure

Faster curing is possible with higher UV intensities.
In that case one must be careful at heat development.

Film properties:

Transparency	: clear, transmission 99%
Temperature resistancy	: -20° to + 100°C
Hardness	: 70° Shore D
Refractive index	: nD/20 = 1,476°
Tensile Shear strength	: glass-steel 125 kg/cm ²

Manual of instruction:

1. Degrease glass with ethanol. Abrade metal with medium-grit paper and clean afterwards.
2. Apply adhesive on one side.
3. Assemble parts to be bonded and hold them together.
4. Expose adhesive film to UV-light according to curing schedule.

Packings:

30 g EFD syringe

100 g. bottles

500 g. bottles

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