

PERMACOL[®] UV 370/5**UV curable adhesive for bonding glass and metals**

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PERMACOL UV-adhesive type 370/5 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 370/5 is a medium viscosity adhesive used for high strength bonding of glass-glass and glass-metals. Due to its composition, this adhesive resists water and humidity after curing. The glue film remains clear and transparent.

Product properties:

Resin composition	: urethane-acrylate resin
Color	: crystal clear
Viscosity	: 5.000 mPa. Sec. / 20° C
Specific gravity	: 1,06 - 1,08 g/cm ³
Toxicity	: contains some toxic agents
Storage stability	: 12 months
Storage temp.	: 15 - 25° C (closed and dry)

Curing time (360-380 nanometer)	: 4 - 5 sec. setting time
At 50 mWatt/cm ²	: 30 sec. full cure

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

Film properties:

Transparence	: clear transmission 99 %
Temperature resistance	: -20° to + 100°C
Hardness	: 70° Shore D
Refractive index	: nD/20 = 1,4766°
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.

Packages:

30 g. EFD syringe

100 g. bottle

500 g. bottle

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