

## LOXEAL UV 30-22

### Description

Fast curing, high strength Ultra Violet adhesive. Specially designed for glass to glass or glass to metal bonding. It is ideal for bonding of precious crystals thanks to its good optical clarity.

### Physical properties

Composition:	methacrylate ester
Colour :	colourless
Viscosity (Brookfield 25°C–mPa.s) :	5.500 – 7.500
Specific weight (g/ml):	1,1
Curing time UV (365 nm):	6 - 10 seconds
Gap to fill:	from 0,03 mm to 2 mm
Flash point:	> 100°C
Shelf life :	1 year

### Curing properties

For better strength and durability we recommend to clean, degrease and dry surfaces to bond. The polymerisation UV is belonging to the intensity of the UV lamp, to the distance from the UV light source, to the bondline gap and to the light transmittance of the substrate the light shall pass through. We recommend high intensity UV light sources with minimum radiation between 365 nm and 420 nm at 100mW/cm<sup>2</sup>. Curing time may vary according to adhesive gap.

### Properties of cured adhesive

* Tensile strength (ASTM D-2095-69):	8 - 12 N/mm <sup>2</sup>
* Temperature range:	-55°C + 120°C
* Refractive index:	1,49
* Light transmittance:	> 98%
* Coefficient of thermal expansion:	85 x 10 <sup>-6</sup> mm/mm/°C
* Dielectric constant ( 25°C 1000 Hz):	4
* Dielectric strength	10-12 KV/mm

### Storage

Keep product in a cool and dry room at +28°C. To avoid contaminations do not refill containers with used product. For more information on applications, storage and handling contact Loxeal Technical Service

### Safety and handling

Consult Material Safety Data Sheet

### Note

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