

### Description

Adhesive curing in seconds by exposure to ultraviolet light.

Recommended for bonding glass to glass or glass with metal.

Thanks to its exceptional transparency in thickness, it is recommended for bonding of precious crystals in the field of home furnishings and gifts.

### Physical properties

Composition :	acrylic urethane resins
Colour :	colourless
Viscosity at +25°C (mPa s)	2.500 - 3.500
Specific weight (g/ml) :	1,10
Curing time UV (365 nm) :	6 - 10 seconds
Gap to fill :	0,03 mm / 1,5 mm
Flash point :	> +100°C
Shelf life : 1 year at +25°C in original unopened packaging	

### 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 bond line 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.

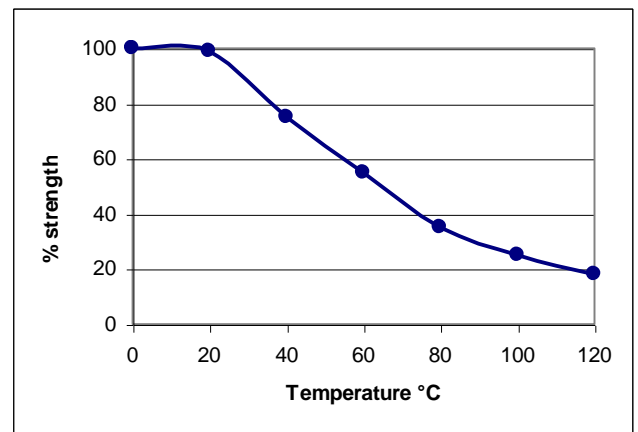
### Properties of cured adhesive (typical)

*Tensile strength (ASTMD2095-69) :	8 - 14 N/mm <sup>2</sup>
*Tensile at break (DIN 53504) :	15 - 25 N/mm <sup>2</sup>
*Elongation at break (DIN 53504) :	80 - 120 %
*Temperature range :	-55°C /+120°C
* Refractive index :	1,473
* Light transmittance :	> 98%
*Hardness (Shore D) :	60 - 70
* 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

### Environmental resistance

The graph below shows the mechanical strength vs. temperature.

Specimen steel to glass



### Chemical resistance

Aged under conditions below after 24 hours from polymerisation at indicated temperature.

Substance	°C	Resistance after 100 h	Resistance after 500 h	Resistance after 1000 h
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Alcohol	25	excellent	excellent	excellent
Gasoline	25	excellent	excellent	good
Relative humidity 90%	40	discrete	sufficient	low
Refrigerant gases	25	excellent	excellent	excellent

\* For information on resistance with other chemicals, contact Loxeal Technical Service

**Storage**

Store the material in a cool and dry place at temperature of +5°C/+25°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 before use.

**Note**

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