

### Description

Fast curing, high strength Ultra Violet curing adhesive. Specially designed for bonding glass to glass, even edge to edge, or glass to metal bonding in glass and crystal furniture manufacturing.  
Suitable for safety glass and coloured glass (party UV radiation absorbing).

### Physical properties

|   |                    |
|---|--------------------|
| Composition :   | methacrylate ester |
| Colour :  | clear/colourless   |
| Viscosity (+25°C - mPa s) :                                 | 600 - 1.300        |
| Specific weight (g/ml) :                                    | 1,1                |
| Curing time UV (365 nm) :                                   | 8 - 15 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

To obtain the best features, clean and dry parts 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 lighth 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.

### 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 |
|-----------|----|------------------------|------------------------|-------------------------|
|-----------|----|------------------------|------------------------|-------------------------|

|                       |    |           |           |           |
|-----------------------|----|-----------|-----------|-----------|
| Alcohol               | 25 | excellent | excellent | excellent |
| Gasoline              | 25 | excellent | excellent | good      |
| Relative humidity 90% | 40 | low       | low       | low       |
| Refrigerant gases     | 25 | excellent | excellent | excellent |

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

### Properties of cured adhesive

|   |                                |
|---|--------------------------------|
| * Tensile strength (ASTM D-2095-69) :   | 10 - 14 N/mm <sup>2</sup>      |
| * Hardness (Shore D) :                  | 65 - 75                        |
| * Elongation at break :                 | 90 - 150%                      |
| * Temperature range :                   | -55°C/+120°C                   |
| * Refractive index :                    | 1,49                           |
| * Light transmittance :                 | > 90%                          |
| * 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 no more than +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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