

Preliminary

LOXEAL UV 30-30 T

Description

Medium low viscosity, fast curing, high strength Ultra Violet curing adhesive. Secondary heat cure mechanism. Excellent optical clear over time, superior resistance to shock and vibrations. Specially designed for bonding float glass to glass in the manufacturing of glass and crystal furniture.

Physical properties

Composition:	methacrylate ester
Colour :	colourless
Viscosity (Brookfield 25°C–mPa.s):	500 - 800
Specific weight (g/ml):	ab. 1,10
Fixture time UV (365 nm):	5 - 10 seconds
Secondary cure:	heat (fixture at +90°C ab. 6')
Gap to fill:	from 0,03 mm to 1,5 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 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/cm². Curing time may vary according to adhesive gap.

Properties of cured adhesive

* Tensile strength (ASTM D-2095-69):	8 - 14 N/mm ²
* Tensile strength (DIN53504):	20 - 40 N/mm ²
* Elongation at break (DIN53504):	30 - 70 %
* Hardness (Shore D):	60 - 70
* Temperature range:	-55°C + 120°C
* Refractive index:	1,47
* Light transmittance:	> 98%

Storage

Keep product in a cool and dry room at +5°/+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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