



LOXEAL®

ENGINEERING ADHESIVES

PUT IT ON & GO TO SLEEP



INDUSTRIAL GRADE UV CURING ADHESIVE

LOXEAL 30-33

Technical Data



Overview:

Loxeal® UV 30-33 is a Fast Curing, High Strength Ultra Violet curing adhesive. Fast setting, high strength and transparent UV adhesive. Specifically designed for bonding glass to glass (floated, toughened, coloured) and glass to metals. Suitable where edge joints in the manufacturing of glass and crystal furniture are required.

Physical Properties

Composition:	Acrylic Ester
Colour:	Clear
Viscosity (+25°C – mPas):	1,000 – 2,000
Specific Weight (g/ml):	1.1
Curing time UV (365nm):	5 to 15 seconds
Gap size to fill:	0.03mm / 1.5mm
Flash Point:	> +85°C
Shelf Life: 12 months at 25°C in original unopened packaging	

Curing Properties

To obtain the best features, clean and dry parts to bond. The polymerization depends on the UV lamp radiation, on the distance from the lamp, on the thickness of the adhesive applied, on the light permeability of the pieces to bond and on geometry of the joint. We recommend to use UV lights able to produce UV waves between 365 nm and 420 nm at 100mW/cm². We recommend to cool the area irradiated with UV lamp while using thermoplastic materials.

Properties Of Cured Adhesive (Typical)

Tensile strength (ASTM D2095-69):	6 – 10 N/mm ²
Tensile at break:	10 – 20 N/mm ²
Shear strength (Glass/Metal)	15 – 25 N/mm ²
Hardness (Shore D):	65 – 75
Elongation at break (DIN 53504):	80 – 150%
Temperature range:	-55°C/+120°C
Refractive index:	1.46 – 1.47
Light transmittance :	> 98%

* Substrate (glass) failure observed

Storage:

We recommend to store this product in a cool and dry place at temperature not exceeding +15°C to +28°C. To avoid contaminations, do not refill containers with used products. For more information on applications, storage and handling, contact Loxeal Technical Service.

Safety and Handling:

Consult the Safety Data Sheet before use

Note:

The data contained herein, obtain in Loxeal laboratories, are given for information only; if specifics are required, please contact Loxeal technical department. Loxeal ensures abiding quality of supplied products according to its own specifics. Loxeal cannot assume responsibility for the results obtained by others which methods are not under Loxeal control. It is user's responsibility to determine suitability for user's purpose of any product mentioned herein. Loxeal disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from the sale or use of Loxeal products. Loxeal specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.

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