

Description

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 esters
Colour :	colourless
Viscosity at +25°C, mPa s :	1.000 - 2.000
Specific weight (g/ml) :	1,10
Curing time UV (365 nm) :	5 - 15 seconds
Gap to fill :	0,03 mm / 1,5 mm
Flash point :	> +85°C
Shelf life :	1 year at +25 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
*Elongation at break :	80 - 150%
*Shear strength (glass/steel) :	15 - 25 N/mm ² **
*Temperature range :	-55°C / +120°C
* Refractive index :	1,460 - 1,470
* Light transmittance :	> 98%
*Hardness (Shore D) :	65 - 75

**substrate (glass) failure observed

Storage

Store the material in a cool and dry place at temperature of +15°C/+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 before use.

Note

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