

## CONLOC UV 651

is a high-viscosity, solvent-free, one component adhesive which cures photochemically when exposed to UV light.

### APPLICATION

CONLOC UV 651 is suitable for indoor bonding with high optical purity. There is a risk of yellowing if exposed to temperatures above room temperature.

**Areas of application:**

Glass bonding

**Good adhesion to:**

glass/glass · glass/metal

**Not suitable for:**

aquariums

### INSTRUCTIONS

- ① Adhesion surfaces must be dry, clean and free from dust and substances liable to impair adhesion.
- ② For the final cleaning process use EGO REINIGER SOFT. Common glass cleaners and detergents are unsuitable. Non observance may lead to reduced bond strength.
- ③ Apply the adhesive sparingly but in sufficient quantity and without bubbles to one of the adhesion surfaces.
- ④ Join the parts without tension with a gap width of min. 0.05 mm and max. 0.5 mm.
- ⑤ The adhesive is cured by suitable UV lamps.
- ⑥ For bonding laminated glass use our daylight-curing grade CONLOC UV 680.
- \* Notes:
  - corresponds to IVD data sheet no. 35.

### SPECIFICATIONS

Properties	Result
Material Basis	Acrylate
Refraction Index	approx. 1,5
Density	approx. 1,06 g/cm <sup>3</sup>
Solids Content	100%
Flash Point	> 77 °C
Viscosity	approx. 5500 mPas
Consistency	High viscosity
Gap Width	0,05 - 0,5 mm
Irradiation	UVA 320-400 nm
Use of Activator 953	No
Hardness Shore D	approx. 70
Tensile Shear Strength	10 N/mm <sup>2</sup> (see page 2)

### AVAILABILITY AND STORAGE

Standard Colour	Clear
Packaging	<ul style="list-style-type: none"> <li>■ 20 g plastic bottle</li> <li>■ 100 g plastic bottle</li> <li>■ 250 g plastic bottle</li> </ul>
Storage	Can be stored in its original packaging in a dry and dark place (without UV exposure) in a normal climate: <ul style="list-style-type: none"> <li>■ 12 months</li> </ul>

### SAFETY INSTRUCTIONS

Meets Requirements of	REACH Regulation (EC) No. 1907/2006 and No. 1272/2008 CLP
Labelling	See EC safety data sheet
Safety Guidelines	See EC safety data sheet
Disposal	See EC safety data sheet

### INFORMATION

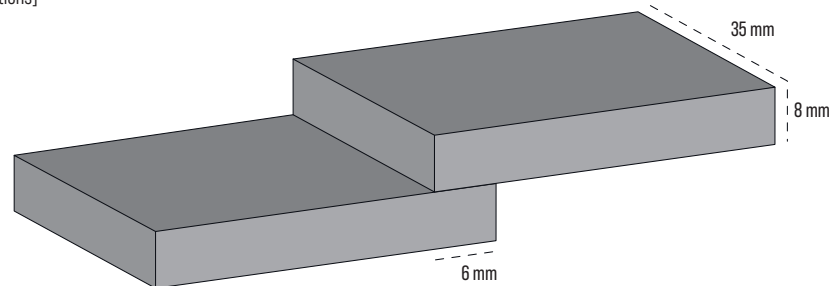
In addition to the information given in this technical data sheet, please also observe the relevant DIN EN ISO standards as well as the rules and regulations of other institutions when planning your project. The information given and the suggestions made for the application of our products are based on our use-oriented tests, our product and technical know-how, as well as on our practical experience. Because of conditions of use and application outside of our control and the large number of different materials, the user is advised to conduct his own tests in order to determine the suitability of our products for his particular application.

In general we recommend to bond the parts in question and then test the adhesive strength (impacts, movement etc). Please also take into account the thermal stress to be expected. In case of questions please contact us for advice. Whilst every care has been taken in the preparation of this information, no warranty is given or implied in connection with any recommendation or suggestion made herein. Please note that all previous versions of this data sheet are invalid.

### TEST SPECIFICATION

#### Test specification tensile shear strength

[see specifications]



- based on adhesive surface of 6 x 35 mm overlapping
- GLASS/GLASS bonding
- UV irradiation is possible with suitable UV lamps
- measured under normal climate +23 °C [50 % humidity]
- Pull-off speed 1mm/minute
- Surface cleaning with **EGO REINIGER SOFT**

For warnings refer to the Safety Data Sheet. The above information is the result of thorough research; previous information is hereby invalidated. Check for yourself whether the product is suitable for your purposes. Our possible liability is limited to the value of our product as such. We cannot accept any liability for indirect damage, in particular for the application or unusability of the product. No one is authorized to make recommendations or assurances on our behalf that go beyond the content of our information sheets.