

CONLOC® UV 683

is a medium-viscosity, solvent-free, one-component adhesive that polymerizes photochemically when exposed to UV light.

APPLICATION

CONLOC® UV 683 is suitable for indoor bonding. The product may yellow when exposed to temperatures above + 60 °C.

Application:

Glass bonding

Good adhesion:

Glass/glass · Glass/metal · Glass/stone

Not suitable for: [tests recommended]

Aquariums

INSTRUCTIONS

- ① Clean the adhesive surface with **EGO REINIGER SOFT**. * Common glass cleaners and detergents are not suitable and may lead to reduced adhesive strength.
- ② The adhesive surfaces must be clean, dry, stable and free of dust and release agents.
- ③ Apply the glue 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. 0.08 mm and max. 0.3 mm.
- ⑤ Curing is done with suitable UV lamps.
- ⑥ For bonding laminated safety glass, we recommend our daylight-curing type **CONLOC® UV 680**.
- ⑦ **CONLOC® UV 683** can also be cured with **CONLOC® AKTIVATOR 953** [please contact us].
- ⑧ With Blum fittings or zinc die casting, higher strengths are achieved with activator.
- * Notes:
 - complies with Data Sheet No. 35 issued by German association IVD Industrieverband Dichtstoffe e.V.

SPECIFICATIONS

Specifications	Results
Chemical base	acrylate
Density	approx. 1,1 g/cm ³
Solids content	100%
Flash point	> 95 °C
Viscosity	approx. 1000 mPas
Consistency	medium viscosity
Gap width	0.08 - 0.3 mm
Irradiation	UVA 320-400 nm
Activator needed	yes
Shore D hardness	approx. 75
Tensile shear strength	15 N/mm ² [see page 2]
Linear shrinkage	approx. 3%

AVAILABILITY AND STORAGE

Colors	transparent
Packaging	<ul style="list-style-type: none"> ▪ 20 g plastic bottle ▪ 100 g plastic bottle ▪ 250 g plastic bottle ▪ 1000 g plastic bottle
Shelf life	<p>Can be stored in its original packaging in dry and dark conditions [without UV exposure] in a normal climate:</p> <ul style="list-style-type: none"> ▪ 6 months

SAFETY INFORMATION

Complies with	Regulation (EC) No 1907/2006 (REACH) and No. 1272/2008 (CLP)
Labelling	see SDS
Safety instructions	see SDS
Disposal	see SDS

INFORMATION

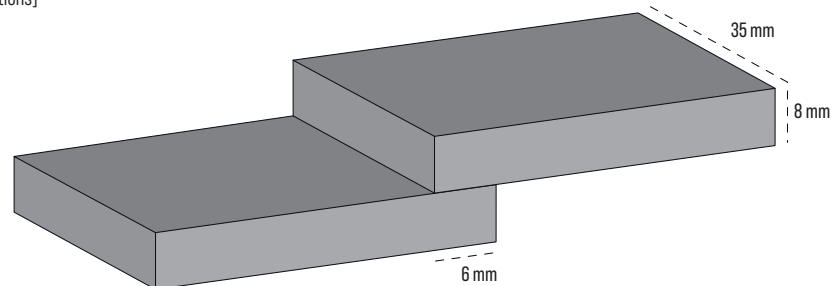
In addition to the information given in this technical data sheet, please also observe the relevant DIN EN ISO standards as well as the rules and regulations of other institutions when planning your project. The information given and the suggestions made for the application of our products are based 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.