TECHNICAL DATASHEET

ABchimie9111 UV LED March 2023

UV LED Glue

PRODUCT DESCRIPTION

ABchimie9111UV LED is a soft clear glue made for bonding many substrates (glass, metal, plastics…). The curing is immediate with UV LED radiations. The cured glue is colorless and no yellowing.

ABchimie9111 UV LED is compliance with REACH and RoHS regulations. If you want a certificate, please contact us (info@abchimie.com).

FEATURES

- Excellente adherence on many substrates: glass, plastic
- Colorless and no yellowing
- Very fast curing with UV radiations
- No VOC

CURING CONDITIONS

ABchimie9111 UV LED cures immediatly with UV LED rays.

UV LED Curing :

It is important to use the appropriate LED equipment, as well as the recommended settings for the best properties of ABchimie9111UV LED:

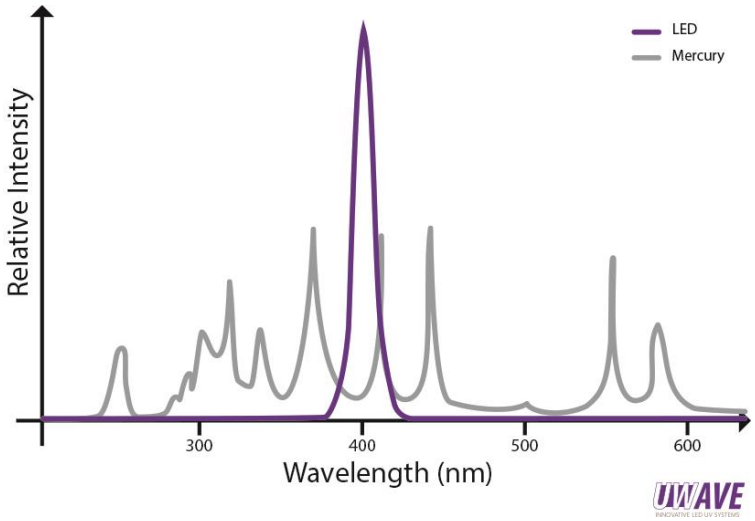
LED lamp 395 nm
Minimal Power: 150 mW/cm² (UVA2)
Distance LED light – glue: 0 to 10cm

To **100µm thickness,** minimum UVA dose : **750mJ/cm²**

The ABchimie9111UV LED glue has a slight tack effect du to its composition and nature of glue.

The UV dose given is a minimum to guarantee a good curing of varnish. A higher dose of UV or a overexposure will not damaged the product.

The following graph shows the wavelength range emitted by the LED lamp, different from the spectrum of a mercury lamp.



PROPERTIES

ABchimie9111 UV LED liquid (uncured)

Base	Urethane Acrylate
Appearance	Transparent
Non-volatile residue	100%
Viscosity at 22°C	10 000 cP

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ABchimie9111 UV LED cured

Appearance	Colorless, no yellowing
Adherence	
Glass / glass	3.6 MPa
Glass / alu	4.8 MPa
Glass / PMMA	3MPa
Alu / PMMA	3.8 MPa
PC / PC	3.1 MPa
PMMA / PMMA	3.1 MPa

PACKAGING: REFERENCES

ABchimie9111 UV LED

Syringe 30 ml	ABchimie9111 UV LED 30G
1 kg	ABchimie9111 UV LED 01K
5 kg	ABchimie9111 UV LED 05K

STORAGE AND SHELF LIFE:

ABchimie9111 UV LED must be stored in an opaque container, sealed away from excessive heat, at temperatures not exceeding 40°C. ABchimie9111 UV LED cures under UV action, it musn't be exposed to any light source.
ABchimie9111 UV LED could settle. It has to be mixed before use.

Storage temperature: 5 to 30°C
A temporary lower or higher temperature (maximum 40°C) during few days (transport) doesn't distort properties.

Date by use: 12 months after the date of manufacturing

All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification. ABchimie cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.