

ABchimie9005UV LED

April 2024

UV / LED Glue

PRODUCT DESCRIPTION

ABchimie 9005UV LED is a clear glue made for glass bonding on many substrates (glass, metal, plastics...). The curing is immediate with UV LED radiations. The cured glue is colorless and no yellowing.

ABchimie9005UV 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, especially glass
- Clear and no yellowing
- Very fast curing with UV radiations
- No VOC

CURING CONDITIONS

ABchimie9005UV LED cures immediatly with UV rays.

UV LED Curing:

It is important to use the appropriate LED equipment, as well as the recommended settings for the best properties of the resin ABchimie6025UV LED:

LED lamp 395 nm

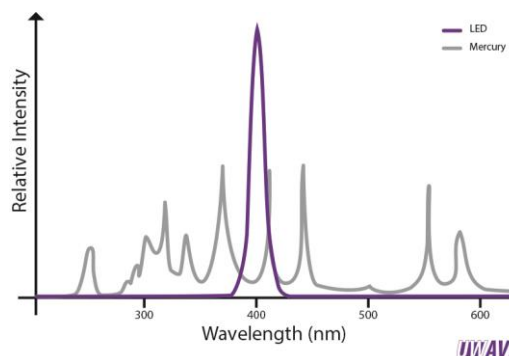
Minimum UVA2 dose : **1000 mJ/cm²** (50µm- thickness)

Minimum UVA2 dose : **5000 mJ/cm²** (1mm- thickness)

The UVA dose is a **minimale dose**. The intensity depends of lamp powerfull, distance of lampe... and may be increase by a longer exposition time. A higher UVA dose has not negative effect on product.

The ABchimie9005UV LED glue has a slight tack effect du to its composition and nature of glue.

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



PROPERTIES

ABchimie9005 UV LED liquid (uncured)

Base	Urethane Acrylate
Appearance	Transparent
Non-volatile residue	100%
Viscosity at 20 ° C	50 to 80 000 cP

...

ABchimie9005 UV LED cured

Appearance	Colorless, no yellowing
Adherence	
Glass / glass :	3MPa
Glass / alu :	3MPa
Glass /PMMA :	2MPa
PC/ABS :	2MPa
PMMA/Alu :	2MPa

PACKAGING:

REFERENCES

ABchimie9005 UV LED

Syringe 30 ml	ABchimie 9005UV LED 30G
1 kg	ABchimie9005UV LED 01K
5 kg	ABchimie9005UV LED 05K

Cleaner

Bulk 5 litres	SND 05 L
---------------	----------

STORAGE AND SHELF LIFE:

ABchimie9005UV LED must be stored in an opaque container, sealed away from excessive heat, at temperatures not exceeding 40°C. ABchimie9005 UV LED cures under UV action, it musn't be exposed to any light source.

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.