

## ABchimie9030UV LED

February 2022

UV LED resin, medium viscosity

ABchimie9030UV LED is a one component resin, especially developed for PET plastic. It can be applied until 2mm deposit. Its curing is immediate with UV LED radiation.

### CHARACTERISTICS

- Excellent adhesion on many substrates (including soft PET substract)
- Transparent resin
- No VOC
- Very fast curing under UV LED exposure
- High speed process, increase of the productivity.

### DRYING TIMES AND CURING CONDITIONS

ABchimie9030UV LED cures with UV technology.

#### UV LED Curing :

It is important to use the appropriate LED equipment, as well as the recommended settings for the best properties of ABchimie9030UV LED:

**LED lamp 395 nm**  
**Distance LED light – coating : 0 to 10cm**

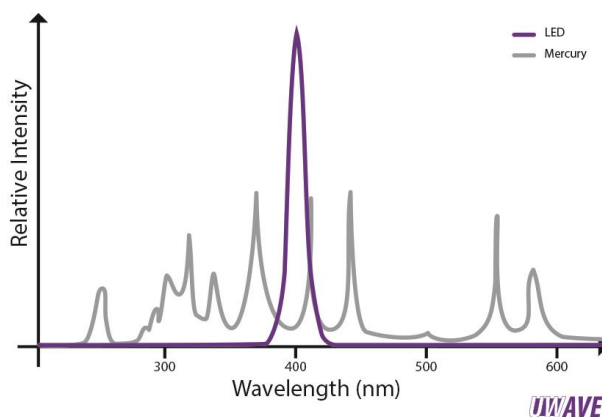
Minimum UVA2 dose : **2300mJ/cm<sup>2</sup> (1mm)**

Minimum UVA2 dose : **3300mJ/cm<sup>2</sup> (2mm)**

A slight residual tack du to the oxygen in the air can appear. It disappears a few minutes after passing under the lamp.

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



**LIQUID PROPERTIES:**

Base	Acrylate
Color	Transparent
Viscosity (@ 25 °C)	30 000 mPa.s
Shelf life	12 months
Non-volatile residue	100%

**CURED PROPERTIES:**

Aspect	Transparent
Adhesion of PET substract	Excellent

ABchimie9030UV LED is compliant with REACH and RoHS regulations. If you want a certificate, please contact us ([info@abchimie.com](mailto:info@abchimie.com)).

**PACKAGING:**

***Resin ABchimie9030UV LED***

Syringe 30mL	ABchimie9030UV LED S30
Bulk 1kg	ABchimie9030UV LED 01K
Bulk 5kg	ABchimie 9030 UV LED 05K
Bulk 20kg	ABchimie9030UV LED 20K

***Cleaner (for uncured material)***

Bulk 5 litres	SND 05 L
Bulk 5 litres	DNS 05 L

**STORAGE AND SHELF LIFE :**

ABchimie9030UV LED resin must be store in a dark container and closed.  
 ABchimie9030UV LED mustn't be exposed at UV light.  
 Storage temperature: 5 to 30°C A temporary lower or higher temperature (maximum 40°C) during few days (transport) doesn't distort resin properties.  
 In any case, please refer to MSDS for good storage conditions.

**Date by use:** 12 months after the date of manufacturing, protected from light, in original closed packaging.

*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.*

