

ABchimie4002UV LED

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UV LED curable resin, adhesion on plastic substrates

PRODUCT DESCRIPTION

ABchimie4002UV LED is a transparent, one component resin, elaborated to protect PCBAs and plastic substrates in harsh environment, with thin thickness (until 1mm). The curing occurs immediately with UV LED light.

ABchimie4002UV LED is compliance with REACH and RoHS regulations. If you want a certificate, please contact us (info@abchimie.com).

FEATURES

- Excellent adhesion in harsh environment
- Very fast curing under UV LED exposure.
- None VOC content
- Space floor gain compare solvent product
- High speed process, high productivity
- Without silicon
- Conform to REACH and ROHS regulations

USING AND CURING CONDITIONS

UV LED Curing :

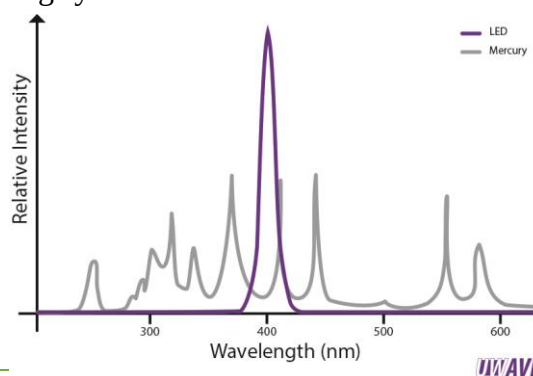
It is important to use the appropriate LED equipment, as well as the recommended settings for the best properties of ABchimie836UV LED:

LED lamp 395 nm

Minimum UVA2 dose : **3000mJ/cm²** (1mm-thickness)

The UVA2 dose is a minimum dose recommended. The intensity depends on the lamp power and the lamp distance. UV dose may be increased by a longer exposure time. A higher dose of UV or a overexposure will not damaged the product. However a lower UVA dose can have a detrimental effect on product final properties therefore it is very important to ensure minimum recommended UVA dose is met with your curing system.

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



UVAVE

For best results, ABchimie4002UV LED resin should be mixed before application. It can then be debubbled using a vacuum chamber, or you can wait a few hours for the product to be debubbled and ready for application.

PROPERTIES

ABchimie4002UV LED liquid

Base	Urethane Acrylate
Aspect	Clear liquid
Appearance	100%
Viscosity at 20 ° C	2 000 cP
Pot life	12 months

ABchimie4002UV LED cured

Aspect	Transparent
Touch	Smooth
Adherence on polyester film	Cross cut 0
Temperature of use	- 25°C to + 125°C

Version with UV tracor **ABchimie4002T UV LED**

Version for UV curing (mercury lamp) **ABchimie4002 UV**

PACKAGING:

ABchimie4002UV LED

Syringe 30 ml
1 liter
5 liters

Cleaner (for resin not cured)

Bulk 5 litres

REFERENCES

ABchimie 4002UV LED 30G
ABchimie4002 UV LED 01KG
ABchimie4002 UV LED 05KG

SND 05 L

STORAGE AND SHELF LIFE:

Storage temperature: 5 to 30°C

A temporary lower temperature during few days (transport) doesn't distort varnish properties.

ABchimie4002UV LED must be stored in an opaque container, sealed away from excessive heat, at temperatures not exceeding 40°C. The varnish ABchimie4002 UV LED cures under UV LED action, it mustn't be exposed to any light source.

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.