

UV curable resin, adhesion on plastic substrates

PRODUCT DESCRIPTION

ABchimie4002UV 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 light.

ABchimie4002UV 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 exposure.
- None VOC content
- Space floor gain compare solvent product
- High speed process, high productivity
- Without silicon
- Conform to REACH and ROHS regulations
- Exists in LED version

USING AND CURING CONDITIONS

UV Curing :

It is important to use the appropriate UV equipment as well as the recommended settings for the best properties of ABchimie4002UV. These parameters have some effects on the reactivity and the surface of resin.

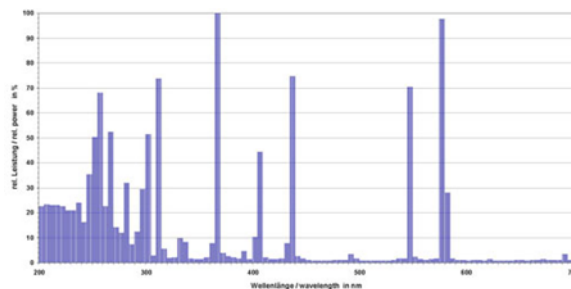
Recommended parameters :

Curing equipment : **arc lamp (mercury)**

Distance UV lamp – PCB : **1 to 10cm**

Minimum UVA dose: **1000mJ/cm² (100µm)**

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



Emission spectrum of mercury lamp (UV between 200 and 400nm)

For best results, ABchimie4002UV 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 liquid

Base	Urethane Acrylate	
Aspect	Clear liquid	
Appearance	100%	...
Viscosity at 20 ° C	2 000 cP	

ABchimie4002UV cured

Aspect	Transparent
Touch	Smooth
Adherence on polyester film	Cross cut 0

Version with UV tractor ***ABchimie4002T UV LED***

Version for LED curing (at 395nm) ***ABchimie4002UV LED***

PACKAGING:

ABchimie4002UV

Syringe 30 ml
1 liter
5 liters

REFERENCES

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

Cleaner (for resin not cured)

Bulk 5 litres

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 must be stored in an opaque container, sealed away from excessive heat, at temperatures not exceeding 40°C. The varnish ABchimie4002UV cures under UV 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.