

ABchimie42K- UV LED

UV LED Soft Resin, High Viscosity

PRODUCT DESCRIPTION

ABchimie42K-UV LED is a soft one component resin, UV curable which have a good adhesion on many substrates. It can be applied in high thickness deposit (few mm). Its curing is immediate with UV LED radiations.

ABchimie42K-UV LED gives local protection for your components, especially against humidity and high electric pressure. It also can be applied to bring robustness to your systems.

ABchimie42K-UV LED is compliance with REACH and RoHS regulations. If you want a certificate, please contact us info@abchimie.com.

FEATURES

- Excellent adhesion in harsh weather conditions,
- Fluorescent UV to control of the layer of conformal coating deposit,
- Operating temperature range -55°C to + 150°C,
- Resistant to mold growth,
- Excellent dielectric properties,
- Very fast curing under UV exposure,
- Moisture cure for shadowed areas,
- VOC Free,
- Space reduced compared to other solvent bases,
- High speed process, increase of productivity,
- Soft Resin

ABchimie 42K-UV LED

1230 Route de La Porte – ZA La Rivoire – 38630 Corbelin – France

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DRYING TIME AND CURING CONDITIONS

- . ABchimie42K-UV LED cures with UV LED technology.
- . **LED UV curing:** It is important to use the appropriate LED equipment, as well as the recommended settings for the best properties of the resin ABchimie42K-UV LED:
 - . LED lamp 395 nm, power: 8W/cm
 - . Distance lamp - polish: 0 to 10cm
 - . Minimum UVA dose : 200mJ/cm² (to a 2mm-thickness)

PROPERTIES

Liquid Properties:

Base	Urethane Acrylate
Appearance	Transparent yellow
Non-volatile residue	> 97%
Viscosity at 21 ° C	50 000 mPa.s (estimated)
Specific Gravity 20 ° C	> 1,1

Cured Properties

Hardness Shore (after 7 days)	25D
Color	Transparent (light yellow effect)
VRT	-25°C + 70°C , 100 cycles, pente 1°C
Mixture Heat	85°C + 85% / HR, 100h
Temperature range from	-25°C to + 85 °C



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PACKAGING:

REFERENCES

Resin Abchimie 42K-UV LED

Bulk 1kg
Bulk 5kg

ABchimie 42K-UV LED 01K
ABchimie 42K-UV LED 05K

Cleaner

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.

ABchimie42K-UV LED resin must be store in a dark container and closed, at maximum 40°C. ABchimie42K-UV LED mustn't be exposed at UV light.

In any case, please refer to MSDS for good storage conditions

Date by use: 12 months after the date of manufacturing

All information is given in good faith but without warranty. All material data provided is given as guidance 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.



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