

ABchimie80K-UV LED

Sept.2021

UV soft resin, Very High viscosity

ABchimie80K-UV LED is a soft one component resin, UV curable which has a good adhesion on many substrates. It can be applied in high thickness deposit (few mm). Its curing is immediate with UV LED radiation.

ABchimie80K-UV LED gives local protection for your components. It especially gives a good mechanical protection to high components, against vibrations. It also can be applied to bring robustness to your systems.

CHARACTERISTICS

- Soft resin,
- Protection against humid and thermal environments,
- Excellent adhesion on many substrates (PCB, plastics,...),
- No VOC,
- Curing until 5mm-thickness,
- Very fast curing under UV LED exposure
- High speed process, increase of the productivity.

DRYING TIMES AND CURING CONDITIONS

ABchimie80K-UV LED cures with UV LED technology.

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 Abchimie80K-UV LED:

LED lamp 395 nm, power: 8W/cm²
Distance lamp - polish: 0 to 10cm

Minimum UVA2 dose : **2500mJ/cm²** (to a 2mm-thickness)

LIQUID PROPERTIES:

Color	Transparent (light yellow coloration)
Composition	Urethane Acrylate
Viscosity (@ 25 °C)	80 000 mPa.s (estimated)
Specific gravity (20°C)	1,1
Non-volatile residue	100%

CURED PROPERTIES:

Color	Transparent (light yellow effect)
Hardness Shore (after 7 days)	D15
Moisture heat	85°C, 85%HR, 100h
Temperature	From - 50°C à + 150 °C

ABchimie80K-UV LED is compliant with REACH and RoHS regulations. If you want a certificate, please contact us (info@abchimie.com).

PACKAGING:

Resin ABchimie80K-UV LED

Syringe	ABchimie80K UV LED 30G
Bulk 1kg	ABchimie80K UV LED 01K
Bulk 5kg	ABchimie80K UV LED 05K
Bulk 20kg	ABchimie80K UV LED 20K

Cleaner (for uncured material)

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

STORAGE AND SHELF LIFE :

ABchimie80K-UV LED resin must be store in a dark container and closed. ABchimie80K-UV LED mustn't be exposed at UV light.

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

Storage temperature: 5 to 30°C

A temporary lower or higher temperature (maximum 40°C) during few days (transport) doesn't distort varnish 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. Toutes ces informations sont données en toute bonne foi mais sans garantie. Chaque application étant différente, il est vivement conseillé d'effectuer des tests préalables. Les spécifications concernant les propriétés sont données à titre indicatif et non comme étant spécifiques.