

UV soft resin, Very High viscosity

ABchimie80K-UV 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 radiation.

ABchimie80K-UV 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

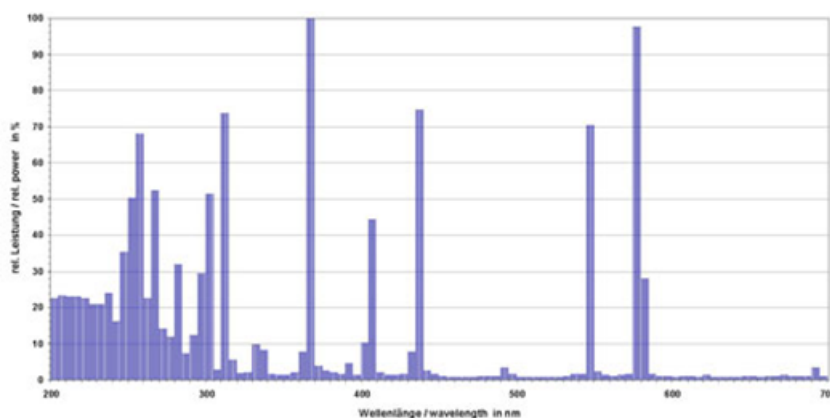
- Soft resin,
- Protection against humid and thermal environments,
- Excellent adhesion on many substrates (PCB, plastics,...),
- No VOC,
- Curing until 5mm-thickness,
- Very fast curing under UV exposure
- High speed process, increase of the productivity.

DRYING TIMES AND CURING CONDITIONS

ABchimie80K-UV cures with UV technology.

UV Curing:

It is important to use the appropriate UV equipment, as well as the parameters recommended to obtain the optimal properties of the ABchimie80K-UV. The advised equipment is a **mercury lamp**.



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

CURE TIME <1 sec
Hg Lamp (Miniterm UV 250f Super, Aeroterm), 120W/cm, joint de 0,200mm
MINIMUM UVA Dose (for 2mm) 1000mJ/cm² UVA

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

PACKAGING:

Resin ABchimie80K-UV

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

Cleaner (for uncured material)

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

STORAGE AND SHELF LIFE :

ABchimie80K-UV resin must be store in a dark container and closed. ABchimie80K-UV 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.

