

PRODUCT DESCRIPTION

ABchimie15K-UV is a one-component clear resin, UV curable which can be applied in high thickness deposit (few mm). Its curing is immediate with UV radiation.

ABchimie15K-UV gives local protection for your components, especially LEDs. It also can be applied to bring robustness to your systems.

ABchimie15K UV is compliance with REACH and RoHS regulations. If you want a certificate, please contact us (info@abchimie.com).

FEATURES

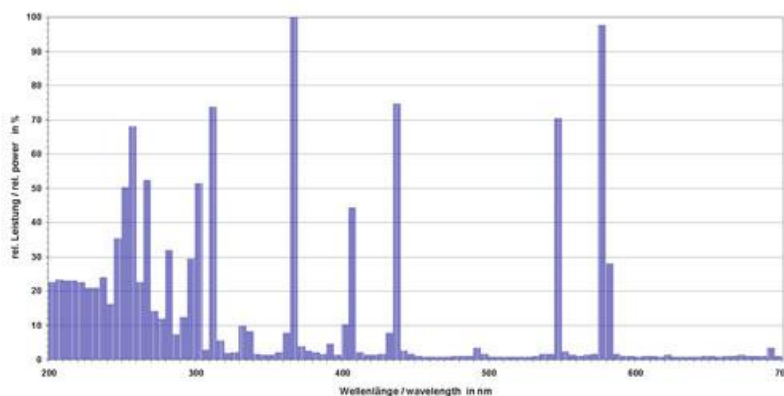
- Chemical and mechanical resistance,
- Clear resin
- Good UV resistance
- Very fast curing under UV exposure
- No VOC
- No tack on surface.

CURING CONDITIONS

ABchimie15K UV cures with UV rays:

UV Curing :

It is important to use the appropriate UV equipment, as well as the parameters recommended to obtain the optimal properties of the ABchimie15K UV conformal coating. The advised equipment is a **mercury lamp**.



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

Curing Time <1 sec
Hg Lamp (Miniterm UV 250f Super, Aeroterm), 120W/cm, joint de 0,200mm
MINIMUM UVA Dose **1000mJ/cm²** (for 1000µm thickness)

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

PROPERTIES

ABchimie15K UV liquid

Base	Acrylate	
Appearance	Transparent liquid	
Non-volatile residue	100%	...
Viscosity at 20° C	7 000 cP	

ABchimie15K UV cured

Appearance	Transparent
Touch	Hard
Harness (shore)	D40

PACKAGING:

ABchimie15K UV

Syringe 30 ml
1 kg
5 kg

REFERENCES

ABchimie 15K-UV 30G
ABchimie 15K-UV 01K
ABchimie 15K-UV 05K

Cleaner (not cured resin)

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

STORAGE AND SHELF LIFE:

Storage temperature: 5 to 30°C

A temporary lower or higher (maximum 40°C) temperature during few days (transport) doesn't distort varnish properties.

ABchimie15K UV must be stored in an opaque container, sealed away from excessive heat. The resin Abchimie15K UV cures under UV action, it musn'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.