

TECHNICAL DATA SHEET



ABchimie42K-UV

Dec. 2016

UV soft resin, High viscosity

ABchimie42K-UV 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 radiation.

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

CHARACTERISTICS

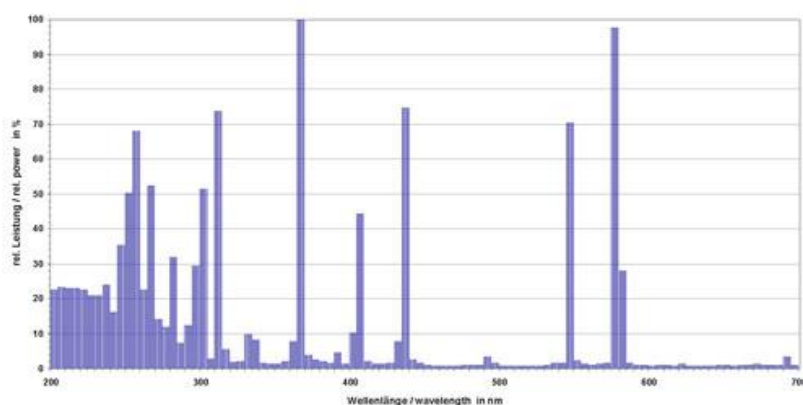
- Soft resin,
- Protection against humid and thermal environments,
- Excellente adhesion on many substrates (PCB, plastics,...),
- No VOC,
- Very fast curing under UV exposure
- Space ground reduced compared with solvent bases.
- High speed process, increase of the productivity.

DRYING TIMES AND CURING CONDITIONS

ABchimie42K-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 ABchimie42K-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

1000mJ/cm² UVA

LIQUID PROPERTIES:

COLOR	Transparent (light yellow coloration)
COMPOSITION	Urethane Acrylate
VISCOSITY (21 °C)	38 000 – 46 000 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/mn
MOISTURE HEAT	85°C, 85%HR, 100h
TEMPERATURE	From - 25°C à + 85 °C

PACKAGING:

Resin ABchimie42K-UV

Bulk 1kg

ABchimie 42K-UV 1K

Bulk 5kg

ABchimie 42K-UV 5K

Cleaner

Bulk 5 litres

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STORAGE AND SHELF LIFE :

ABchimie42K-UV resin must be store in a dark container and closed, at maximum 40°C.
ABchimie42K-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 temperature during few days (transport) doesn't distort varnish properties.

Date by use: 12 months after the date of manufacturing

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

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.