

TECHNICAL DATA SHEET



ABchimie42K-UV

Oct.2017

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

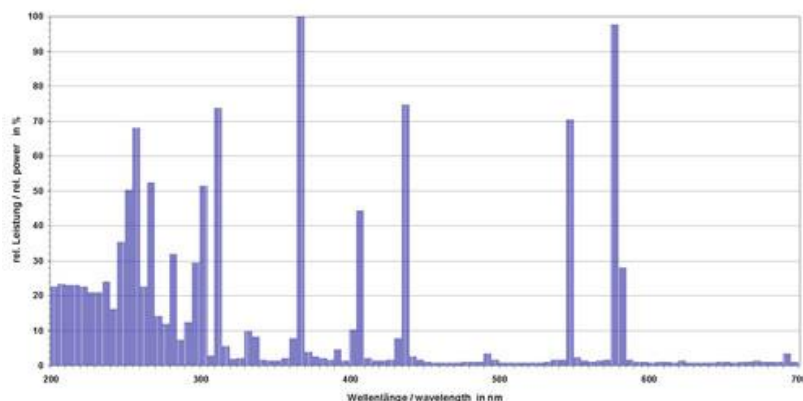
- Soft resin,
- Protection against humid and thermal environments,
- Excellente adhesion on many substrates (PCB, plastics,...),
- No VOC,
- Cured until 5mm-thickness,
- Very fast curing under UV exposure
- Space ground reduced compared with solvent bases.
- High speed process, increase of the productivity.

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



ABchimie
1230 Route de La Porte – ZA La Rivoire – 38630 Corbelin – France
Tel : +33 (0)4 74 83 12 19 – Fax +33 (0)4 74 83 68 62



TDS ABchimie42K UV
info@abchimie.com
www.abchimie.com

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:

COLOR	Transparent (light yellow effect)
HARDNESS SHORE (after 7 days)	25D
Tg	-6°C
CTE (-40 to 10°C)	150 ppm/°C
CTE (30 to 105°C)	240 ppm/°C
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

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

PACKAGING:

Resin ABchimie42K-UV

Bulk 1kg	ABchimie 42K-UV 1K
Bulk 5kg	ABchimie 42K-UV 5K

Cleaner

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

STORAGE AND SHELF LIFE :

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

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.

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.

