

# FICHE TECHNIQUE



ABCHIMIE 4000UV

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**Resin – UV curing high viscosity**

## DESCRIPTION

ABchimie 4000UV is a transparent, one component resin, elaborated to protect pcb in harsh environment. The high viscosity system permit to apply until 2mm thickness.

## FEATURES

- Excellent adhesion in harsh environment
- Fluorescent UV to control of the layer of conformal coating deposit.
- Very fast curing under UV exposure.
- None VOC content
- Space floor gain compare solvent product
- High speed process, high productivity
- Without silicon
- Conform to REACH and ROHS regulation
- Very fast curing under UV exposure

## APPLICATION

ABchimie 4000UV resin can be apply in syringe, serigraphy or in dispensing machine.

ABchimie 4000UV contains a fluorescent tracer which permit to check good varnish deposit, inspection circuits is facilitated. Fluorescence is more important the thickness applied is high.

Before applying the printed circuit board must be clean, dry and free of moisture. Pcb's are humidity sensor, it is important to remove it before coating application. A stage in an oven for 4 hours at 80 ° C is usually sufficient.

## **PREPARATION OF THE PCB**

PCBs must be free of moisture and perfectly clean (no dust, grease, wax... Adhesion of the coatings is depending. All traces of flux are eliminated because they can become corrosive and create malfunction of the circuit.

We recommend using cleaning solvent or detergents SND or CIPEX 40 or 42.

## **DRYING TIMES AND CURING CONDITIONS**

ABchimie 4000UV conformal coating polymerises 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 ABCHIMIE 4000UV conformal coating.

### **PROPERTIES**

#### ***ABchimie 526UV liquid***

Base	Acrylate
Appearance	Slightly yellow
non-volatile residue	100%
Viscosity at 25 ° C	4000cps at 22°C
Flash point	> 100 ° C
Pot life	12 months

### **PACKAGING:**

ABchimie 4000UV	
1 kilo	ABchimie 4000UV 01 K
5 kilos	ABchimie 4000UV 05 K

### **CLEANER**

SND	
5 litres	SND 05L

### **STORAGE:**

ABchimie 526UV must be stored in an opaque container, sealed away from excessive heat, at temperatures not exceeding 40 ° C. The varnish ABchimie 526UV cures under UV action, it mustn't be exposed to any light source.

In all cases, refer to the safety data sheet to ensure good storage conditions.

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