

Aqueous polyurethane coating

PRODUCT DESCRIPTION

UVA59 is a aqueous polyurethane coating (single component) designed to protect printed circuit boards subjected to harsh environments. It has outstanding electrical and physical properties.

Use of this product does not need particular protection for operators or environment.

Dried UVA59 is glossy, with good adherence (even with no clean process). It does not turn yellow over time.

UVA59 is a low VOC coating, totally non-flammable.

UVA59 contains a UV trace which allows inspection of the PCB after coating to ensure complete and even coverage. The stonger the reflected light, the thicker the coating layer is.

UVA59 is compliance with REACH and RoHS regulations. If you want a certificate, please contact us (info@abchimie.com).

FEATURES

- Fluorescent UV to control of the layer of conformal coating deposit,
- Operating temperature range -60°C to + 130°C,
- Can be soldered through without fear of highly toxic gases being produced,
- Resistant to mold growth,
- Can be totally removed with ABchimie SND or DNS,
- Excellent dielectric properties,
- Excellent chemical resistance,
- Halogen free.

APPLICATION

UVA59 can be applied by dipping, brush or spray.

During coating application, temperature has to be higher than (or equal to) +8°C. Relative humidity has to be lower than (or equal to) +80%.

Dilution : demineralised water

For cleaning (equipment or coating), we advice to use demineralised water.

PROPERTIES

Liquid UVA59

Color	Milk White
Non-volatile residue	50% approx.
Viscosity at 20°C	350 - 1500 cP
Density at 20°C	1,03

Cured UVA59

Volume resistivity	1 x 10 ¹⁴ Ohm / cm
Insulation resistance (Ω)	10 ¹² (MIL-I-46058C)
Dielectric strength	50kV/mm
VRT	-25°C +25°C, maintaining temperature level 15mn, 5°C/mn, 100 cycles
Thermal Shock	- 25°C + 25°C, 15mn/15mn, 50 cycles
Voltage	> 1500V (MIL-I-46058C)
Temperature range	from - 60°C to +130°C
Resistance in humid environment	10-80°C, 95%HR +4%, 90 days, demineralised water
Salt spray test (NF X41-002)	620H

PACKAGING:

5 liters

REFERENCES

UVA59 05 L

STORAGE AND SHELF LIFE:

Storage temperature: 5 to 30°C

A temporary lower temperature during few days (transport) doesn't distort varnish properties.
Store at positive temperature, this product fears frost

Shelf life: 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.