TECHNICAL DATA SHEET

U V A 59 June 2013

AQUEOUS CONFORMAL COATING

PRODUCT DESCRIPTION

UVA 59 is a water based conformal coating based on polymeric urethane materials designed for the protection of PCBs and electronic assemblies. It offers an excellent blend of physical and electrical properties. The use of the product requires no special procedures for protection of either operators or the working environment.

UVA 59 is a very low levels of VOC material. It is, totally non-flammable.

It may be applied by dipping, spraying or brushing. When dried, the coating is very glossy and completely transparent. UVA59 is very adhesive even on non clean residues and offer a very high resitance against chemical environnement. **UVA 59** incorporates a UV trace for ease of inspection.

TYPICAL PROPERTIES

Liquid Material

Colour:	White (milky appearance)
Solids:	50% approx
Viscosity @ 20°C:	450 - 550 cSt (bulk material)
Specific Gravity @ 20°C:	1.05 (bulk),
Flash Point:	none
Coverage per litre (25 microns)	20 m^2

Dried Coating

All tests was made on IPC B25 (IPC -CC-830) circuit board.

Electrical Resistivity:	1 x 10^{14} Ohms/cm
Dielectric Strength:	50kV/mm
Flammability:	Non flammable
Temperature Range:	-50°C to +150°C
Colour	Transparent
Dissipation Factor @ 1MHz @ 25°C:	0.01
Insulating resistance (Ω)	10^{12} (MIL-I-46058C)
VRT (Quick temperature variation	-25°C +25°C, 100 cycles, palier 15min, 5°C/min
Thermal chock	25°C +50°C, 50 cycles, 15min/15min
Dielectric withstanding voltage	> 1500V (MIL-I-46058C)
SIR test15H (Surface insulation resistance	20°C-80°C, 90%RH, sous tension
Moisture resistance (déi water)	10-80°C, 95%RH +-4%, 90 jours
Salt fog (NF X41-002)	620 Hours

Removability and Rework

UVA 59 is easily soldered through for rework purposes without causing any harmful fumes.

Packaging

UVA 59 **5 litre container**

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.