

HumiSeal® UV92 Masking Technical Data Sheet

HumiSeal® UV92 is a soft, one part, UV curable masking material. HumiSeal® UV92 applies easily because of its shearing thinning viscosity profile and is 100% cured by exposure to UV to provide a temporary barrier to prevent ingress of coatings into keep out areas. HumiSeal® UV92 has excellent solvent resistance that provides selective release from conformal coating. HumiSeal® UV92 will survive intermittent exposure to temperatures up to 150°C. HumiSeal® UV92 is REACH and RoHS compliant and available in bulk and syringes.

Properties of HumiSeal® UV92

Specific Gravity at 25°C	1.04
Viscosity	Thixotropic paste
Appearance	Milky white
Chemical Class	Urethane acrylate
Shelf Life, DOM	12 months, stored at 18 +/-10 °C
Recommended Curing Conditions	UV-LED at 365nm or 405nm "H" type microwave or arc lamp (minimum power of 200 mW/cm ²)
Cleanup Solvent	Isopropyl alcohol
Glass Transition Temperature (Tg)	-50 °C
Hardness	40 Shore A
Elongation at Break	> 200 %
Operating Temperature Range	-50 to 150 °C

- Applies easily by syringes, dispensing machines.
- Keeps contact points and connections free of coating.
- Will not tarnish gold, tin, copper, phosphor bronze and Sn/Pb solder.
- Easily removed by peeling - leaves no residue to interfere with subsequent operations.

Application of HumiSeal® UV92

Apply HumiSeal® UV92 at a thickness up to 5 mm to areas on a printed circuit board where coating is not desired. Cure HumiSeal® UV92 under recommended UV exposure indicated above before applying a HumiSeal® conformal coatings. Remove HumiSeal® UV92 from the completed board by gently peeling it away from the surface of the protected area.

Storage

HumiSeal® UV92 should be stored between 8 °C and 28 °C in tightly closed containers away from direct sunlight and light sources.

Caution

Application of HumiSeal® UV92 should be carried out in accordance with local and National Health and Safety regulations. Use only in well-ventilated areas to avoid inhalation of vapor. Avoid contact with skin and eyes.

Consult SDS prior to use.

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