

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.

Contact HumiSeal®

HumiSeal North America

201 Zeta Drive
Pittsburgh, PA 15238
USA
Tel: +1 412-828-1500
Toll Free (US only): 866-828-5470
sales@humiseal.com

HumiSeal Technical Center

295 University Avenue
Westwood, MA 02090
USA
Tel: +1 781-332-0734
Fax: +1 781-332-0703
techsupport@humiseal.com

HumiSeal Europe

505 Eskdale Road, IQ Winnersh
Berkshire RG41 5TU
UK
Tel: +44 (0)1189 442 333
Fax: +44 (0)1189 335 799
europesales@chasecorp.com

HumiSeal Europe Support

Tel: +44 (0)1189 442 333
Fax: +44 (0)1189 335 799
europetechsupport@chasecorp.com

HumiSeal S.A.R.L

4/6 Avenue Eiffel
78420 Carrieres-Sur-Seine
France
Tel: +33 (0) 1 30 09 86 86
Fax: +33 (0) 1 30 09 86 87
humiseal.sarl@chasecorp.com

HumiSeal Asian Support

Tel: 852-9451-6434
Fax: 852-2413-6289
asiatechsupport@humiseal.com

The information contained here is provided for product selection purposes only and is not to be considered specification or performance data. Under no circumstance will the seller be liable for any loss, damage, expense or incidental or consequential damage of any kind arising in connection with the use or inability to use its product. Specific conditions of sale and Chase's limited warranty are set out in detail in Chase Corporation Terms and Conditions of Sale. Those Terms and Conditions are the only source that contain Chase's limited warranty and other terms and conditions.