

HumiSeal TS 300 TempSeal Masking Technical Data Sheet

HumiSeal TS 300 is a non-flammable, high temperature, temporary mask designed for use on printed circuit boards that require masking during the conformal coating process. HumiSeal TS 300 effectively covers and protects parts and connections where coating is not desired, and can then be peeled away easily. HumiSeal TS 300 contains no ammonia and will not inhibit thermal cure of silicone conformal coatings. HumiSeal TS 300 can withstand limited exposure to temperatures as high as 260°C.

Properties of HumiSeal TS 300

Specific gravity at 25°C	1.15
Solids Content	50 ±5%
Colour	Pink
Odor	Mild
Recommended Thinner	Water
Shelf Life, DOS	6 months

- Applies easily by applicator bottle, dispensing machines or brushing.
- Keeps contact points and connections free of coating.
- Will cure at room temperature in one hour or in 20 to 30 minutes at elevated temperatures.
- Colour changes from pink to translucent red when cured.
- Will not tarnish gold, copper and phosphor bronze.
- Cured material is insoluble in water and organic solvents.
- Easily removed by peeling - leaves no residue to interfere with subsequent operations.

Application of HumiSeal TS 300

Cleanliness of the substrate is of extreme importance for successful application and masking of the conformal coating. Surfaces must be free of moisture, dirt, wax, grease, flux residues and all other contaminants. Contamination under the coating could cause problems that may lead to assembly failures.

Apply HumiSeal TS 300 at a thickness of 500-1000 microns to areas on a printed circuit board where coating is not desired. Cure HumiSeal TS 300 for one hour at room temperature, 30 minutes at 66°C, or 20 minutes at 82°C. HumiSeal TS 300 should be completely dry before applying a HumiSeal conformal coating. Remove HumiSeal TS 300 from the completed board by gently peeling it away from the surface of the protected area.

Storage

HumiSeal TS 300 should be stored at room temperature in tightly closed containers away from direct sunlight.

Caution

Use in well-ventilated areas to avoid inhalation of vapours. Avoid contact with skin and eyes. Consult MSDS 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

Albany Park, Frimley Road
Camberley, Surrey GU16 7PH
UK
Tel: +44 (0)1276 691100
Fax: +44 (0)1276 691227
europesales@chasecorp.com

HumiSeal Europe Support

Tel: +44 (0)1276 691100
Fax: +44 (0)1276 691227
europetechsupport@chasecorp.com

HumiSeal S.A.R.L

4/6 Avenue Eiffel
78420 Carrières-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.