

## HumiSeal<sup>®</sup> TS 300 TempSeal Masking Technical Data Sheet

HumiSeal<sup>®</sup> 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<sup>®</sup> TS 300 effectively covers and protects parts and connections where coating is not desired, and can then be peeled away easily. HumiSeal<sup>®</sup> TS 300 contains no ammonia and will not inhibit thermal cure of silicone conformal coatings. HumiSeal<sup>®</sup> TS 300 can withstand limited exposure to temperatures as high as 260°C.

### Properties of HumiSeal<sup>®</sup> TS 300

Specific Gravity at 25°C	1.0
Solids Content	50 ± 5 %
Colour	Pink
Odor	Mild
Recommended Thinner	Water
Shelf Life, DOM	12 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<sup>®</sup> 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<sup>®</sup> TS 300 at a thickness of 500-1000 microns to areas on a printed circuit board where coating is not desired. Cure HumiSeal<sup>®</sup> TS 300 for one hour at room temperature, 30 minutes at 66°C, or 20 minutes at 82°C. HumiSeal<sup>®</sup> TS 300 should be completely dry before applying a HumiSeal<sup>®</sup> conformal coating. Remove HumiSeal<sup>®</sup> TS 300 from the completed board by gently peeling it away from the surface of the protected area.

### Storage

HumiSeal<sup>®</sup> TS 300 should be stored at room temperature in tightly closed containers away from direct sunlight. Do not allow this product to freeze.

### Caution

Application of HumiSeal<sup>®</sup> Conformal Coatings should be carried out in accordance with local and National Health and Safety regulations.

Use only in well-ventilated areas to avoid inhalation of vapours or spray. Avoid contact with skin and eyes.

Consult MSDS/SDS prior to use.

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