

## HumiSeal 1B31GEL™ Technical Data Sheet

HumiSeal 1B31GEL™ is a fast drying, single component, thixotropic acrylic paste that provides excellent moisture and environmental protection for printed circuit assemblies. HumiSeal 1B31GEL™ fluoresces under UV light for ease of inspection and is easily repaired. HumiSeal 1B31GEL™ is in full compliance with the RoHS Directive 2002/95/EC.

### Properties of HumiSeal 1B31GEL™

Solids Content, % by weight per Fed-Std-141, Meth. 4044	40 ± 5
VOC, grams/litre	547
Recommended Curing Conditions	24 hrs @ RT
Time Required to Reach Optimum Properties	7 days
Recommended Stripper	HumiSeal Stripper 1080
Shelf Life at Room Temperature, DOM	24 months
Insulation Resistance, ohms per MIL-I-46058C	800 x 10 <sup>12</sup> (800T)
Moisture Insulation Resistance, ohms per MIL-I-46058C	60 x 10 <sup>9</sup> (60G)

### Application of HumiSeal 1B31GEL™

Cleanliness of the substrate is of extreme importance for the successful application of a 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.

#### Syringe Application

HumiSeal 1B31GEL™ is intended for automated needle dispensing, but may also be applied manually.

#### Storage

HumiSeal 1B31GEL™ should be stored away from excessive heat or cold, in tightly closed containers. HumiSeal products may be stored at temperatures of 0 to 35°C. Prior to use, allow the product to equilibrate for 24 hours at a room temperature of 18 to 32°C.

#### Caution

The solvents in HumiSeal 1B31GEL™ are flammable. Material should not be used in presence of open flame or sparks. Use only in well-ventilated areas to avoid inhalation of vapours or spray. Avoid contact with skin and eyes. Consult MSDS prior to use.

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