

## HumiSeal<sup>®</sup> 1B31 Gel

### Technical Data Sheet

HumiSeal<sup>®</sup> 1B31 Gel is a fast drying, single component, thixotropic acrylic paste that provides excellent moisture and environmental protection for printed circuit assemblies. HumiSeal<sup>®</sup> 1B31 Gel fluoresces under UV light for ease of inspection and is easily repaired. HumiSeal<sup>®</sup> 1B31 Gel is in full compliance with the RoHS Directive 2002/95/EC.

#### Properties of HumiSeal<sup>®</sup> 1B31 Gel

Solids Content, % by weight per Fed-Std-141, Meth. 4044	40 ± 5 %
VOC	547 grams/litre
Recommended Curing Conditions	24 hrs @ RT
Time Required to Reach Optimum Properties	7 days
Recommended Stripper	HumiSeal <sup>®</sup> Stripper 1080
Shelf Life at Room Temperature, DOM	24 months
Insulation Resistance, per MIL-I-46058C	8.0 x 10 <sup>14</sup> ohms (800TΩ)
Moisture Insulation Resistance, per MIL-I-46058C	6.0 x 10 <sup>10</sup> ohms (60GΩ)

#### Application of HumiSeal<sup>®</sup> 1B31 Gel

Cleanliness of the substrate is of extreme importance for the successful application of 1B31 Gel. Contamination under 1B31 Gel could cause problems that may lead to assembly failures. For best performance, surfaces should be free of moisture, dirt, wax, grease, flux residues and all other contaminants. If this product will be applied over “no clean” assembly materials, the user should conduct adequate testing to verify compatibility and reliability of the coated assembly

#### Syringe Application

HumiSeal<sup>®</sup> 1B31 Gel is intended for automated needle dispensing, but may also be applied manually.

#### Storage

HumiSeal<sup>®</sup> 1B31 Gel should be stored away from excessive heat or cold, in tightly closed containers. HumiSeal<sup>®</sup> 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

Application of HumiSeal<sup>®</sup> 1B31 Gel should be carried out in accordance with local and National Health and Safety regulations.

The solvents in HumiSeal<sup>®</sup> 1B31 Gel 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/SDS prior to use.



# HumiSeal®

## 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](mailto: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](mailto: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](mailto:europesales@chasecorp.com)

### HumiSeal Europe Support

Tel: +44 (0)1189 442 333  
Fax: +44 (0)1189 335 799  
[europetechsupport@chasecorp.com](mailto: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](mailto:humiseal.sarl@chasecorp.com)

### HumiSeal Asian Support

Tel: 852-9451-6434  
Fax: 852-2413-6289  
[asiatechsupport@humiseal.com](mailto:asiatechsupport@humiseal.com)

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