

## **HumiSeal<sup>®</sup> 1A33 Gel**

### **Technical Data Sheet**

HumiSeal<sup>®</sup> 1A33 Gel is a single component thixotropic polyurethane paste, suitable for general printed circuit board applications. HumiSeal<sup>®</sup> 1A33 Gel contains no free isocyanates. HumiSeal<sup>®</sup> 1A33 Gel fluoresces under UV light for easy inspection. HumiSeal<sup>®</sup> 1A33 Gel is in full compliance with the RoHS Directive 2002/95/EC.

#### **Properties of HumiSeal<sup>®</sup> 1A33 Gel**

Solids Content, % by weight per Fed-Std-141, Meth. 4044	44 ± 2 %
VOC	521 grams/litre
Optional Curing Conditions to Reach Optimum Properties	30 days at RT 30 hours @ 76°C 20 hours @ 87°C
Recommended Stripper	HumiSeal <sup>®</sup> Stripper 1063
Shelf Life at Room Temperature, DOM	24 months

#### **Application of HumiSeal<sup>®</sup> 1A33 Gel**

Cleanliness of the substrate is of extreme importance for the successful application of 1A33 Gel. Contamination under 1A33 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> 1A33 Gel is intended for automated needle dispensing, but may also be applied manually.

#### **Storage**

HumiSeal<sup>®</sup> 1A33 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> 1A33 Gel should be carried out in accordance with local and National Health and Safety regulations.

The solvents in HumiSeal<sup>®</sup> 1A33 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.

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