CHASE Electronic Coatings
We make a material difference

HumiSeal®

HumiSeal® 2E25 Epoxy Adhesive
Technical Data Sheet

HumiSeal® 2E25 is an unfilled epoxy resin system useful for adhesive and encapsulant applications. HumiSeal 2E25 is a very good electrical insulator and is resistant to gases, water, petroleum products, and acids. FDA compliant in accordance with Title 21. U.S. Code of Federal Regulations, FDA Chapter 1, Subpart B, Sections 175, 105 and 175, 300.

APPLICATIONS
- Medical
- Automotive
- Electronics

FEATURES
- RoHS & REACH Compliant
- FDA Compliant

SUBSTRATES
- Glass
- Rubber
- Metals
- Plastics

Properties of HumiSeal® 2E25 Liquids

Chemical Class	Epoxy
Viscosity Part A (cps)	10,000 -14,000
Viscosity Part B (cps)	14,000 -16,000
Specific Gravity at 25°C (Part A / Part B)	1.16 / 0.98
Mix Ratio, PBV (A:B)	1:1
Working Time	1 hour
Handling Time	2 hours
Cure Type	2-part reactive epoxy
Curing Conditions	12-24h @ Room Temp. 2h @ 70 °C 1h @ 100 °C
Shelf Life, DOM, stored at 18 +/-10 °C	12 months (bulk) 6 months (cartridges)
Cleanup Solvent	Isopropyl alcohol

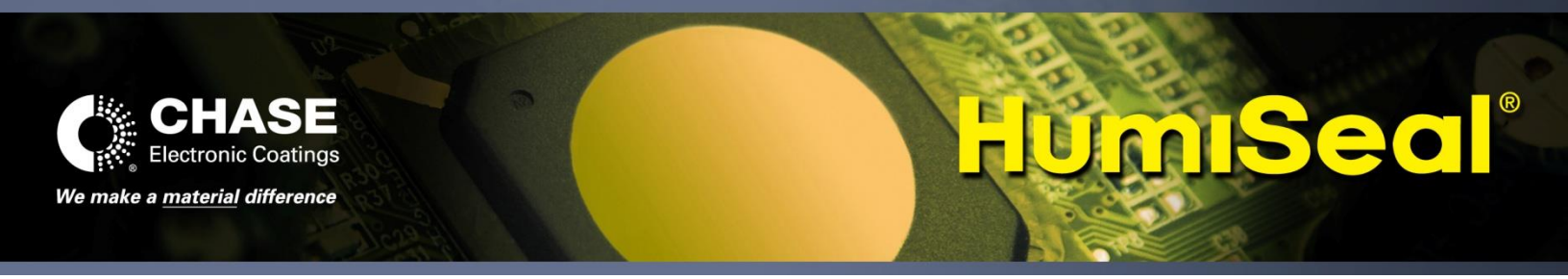
Properties of HumiSeal® Cured 2E25

Color (cured)	Translucent amber
Hardness, Shore D	64-80
Lap Shear Strength (aluminum, PSI)	> 2,500
Tensile Strength, PSI	>7000
Elongation at Break	10
Operating Temperature Range	-40 to 200* °C
CTE (at 46°C), ppm	168
CTE (at 66°C), ppm	413
Volume Resistivity, Ω-cm	1×10^{11}

*Material can be exposed to intermittent temperatures up to 250 °C

Storage
HumiSeal® 2E25 Part A and 2E25 Part B should be stored between 8 °C and 28 °C in tightly closed containers.

Caution
Application of HumiSeal® 2E25 should be carried out in accordance with local and national health and safety regulations. Use only in well-ventilated areas to avoid inhalation of vapor. Avoid contact with skin and eyes. Consult SDS 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
505 Eskdale Road, IQ Winnersh
Berkshire RG41 5TU
UK
Tel: +44 (0)1189 442 333
Fax: +44 (0)1189 335 799
europeansales@chasecorp.com

HumiSeal India
J-154, M.I.D.C Bhosari
Pune 411 026
Maharashtra
India
Tel: +91 20 66308098
indiatechsupport@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

HumiSeal Asian Support
Tel: 852-9451-6434
Fax: 852-2413-6289
asiatechsupport@humiseal.com

HumiSeal Europe Support
Tel: +44 (0)1189 442 333
Fax: +44 (0)1189 335 799
europetechsupport@chasecorp.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.