

EPO-TEK® Epoxies for Solar Applications

Specialty adhesives — for use in cell stringing, bussing, die attaching, and heat sinking concentrator chips

SHOWCASING

EPO-TEK H20E

A Leading Silver Epoxy Adhesive for Solar Panel Assembly

EPO-TEK EK1000

Our Newest Silver Epoxy Adhesive with Unsurpassed Thermal Management Performance

... As Well as a Full Line of Speciality Adhesives

EPOXY
* TECHNOLOGY

www.epotek.com



Selected Epoxies for Solar Applications:



Electrically Conductive Adhesive

H20E
EK1000

Our silver-based, electrically conductive adhesives are ideal for:

- Thick or thin film solar cell “stringing or “bussing”
- Die-attaching GaAs concentrator chips

Thermally Conductive Adhesive

EK1000

Our conductive adhesives provide exceptional thermal management for concentrator chips to substrates and packages

UV Cured Adhesive

OG142-112
OG142-87

Our UV material are:

- Non yellowing for maximum transmission of VIS and IR light
- Micro-mirror/lens for concentrator arrays
- Micro-fabrication and sealing of organic solar cells
- Moisture resistant for weather-proofing and sealant

EPO-TEK Products are:

- Easily dispensed
- Used throughout multiple shifts - pot life ranging from 4 hours to > 2 days
- Available in snap cure (140°C in 40 seconds), or conventional cure versions
- Shown to have excellent adhesion on TCO (transparent conductive oxide), Sn/Cu ribbon wire, and Ag-PTF
- Solvent free and low outgassing
- Proven mechanical reliability (resists peel forces)
- IEC 6146, 61730 compatible

Please consult our Applications Experts at Epoxy Technology to find the most suitable adhesives for your specific technical challenges at techserv@epotek.com.

About Us

Since 1966, Epoxy Technology Inc. (EPO-TEK) has manufactured high quality specialty adhesives for advanced industries worldwide.

All Epoxy Technology products are tested thoroughly and consistently in our state-of-the-art laboratories to ensure product reliability. Epoxy Technology is very proud of its recognized quality program, including comprehensive ISO 9001 and MIL STD 883/5011 certifications as well as RoHS Compliance and Green Partnerships. As leaders in the industry, superior product quality, exceptional customer service and unsurpassed technical assistance are the foundation of our business.



ISO 9001

RoHS
COMPLIANT
2002/95/EC

REACH
COMPLIANCE

For ordering, please contact us at:

Epoxy Technology Inc.

14 Fortune Drive • Billerica, MA 01821

Tel: 978-667-3805 • Fax: 978-663-9782

DISCLAIMER: The Information, Statements and Recommendations contained herein are based on information, data, reports or tests believed to be reliable. However, Epoxy Technology, Inc. makes no warranty or guarantee of accuracy or completeness in connection therewith, nor, with respect to any Epoxy Technology, Inc. products involved, any warranty or merchantability or fitness for a particular purpose or use.

® and ™ designate trademarks of Epoxy Technology Inc. © Epoxy Technology Inc. 2011 All rights reserved.

www.epotek.com