

# Low V Epoxy™ TECHNICAL DATA

## SOLVENT-FREE EPOXY COATING

**Sealant  
Top Coat  
Rot Repair**

**Solvent-Free  
Applies to Dry or Damp Surfaces  
Easy 2:1 Mixing Ratio  
VOC Class: Waterproof VOC = 0%**

|  |   |
|--|---|
| <p><b>STANDARD<br/>PRODUCT<br/>DESCRIPTION</b></p> | <p>LOW V™ Epoxy is a 100% solids, low viscosity, clear resin system designed for a variety of applications. Non-Blushing and Non-Water spotting, moisture insensitive with good chemical resistance and physical properties. Originally designed for crack injection into damp concrete, it provides excellent sealing and waterproofing under dry or wet conditions. Used as a penetrating epoxy when combined with solvents.</p>  |
| <p><b>USES</b></p>                                 | <p>Sealing Concrete/wood<br/>Clear Coat Surface<br/>Waterproofing<br/>Coating Table Tops and Counters<br/>Base coat under other epoxies or urethanes</p>  |
| <p><b>FEATURES</b></p>                             | <p>Low viscosity<br/>Convenient 2 to 1 ratio by volume (1 to .43 by weight)<br/>Non-blushing/water spotting<br/>Bonds to damp concrete<br/>Self-leveling and air releasing (non bubbling)<br/>Solvent-free (no odor)</p>  |
| <p><b>VISCOSITY</b></p>                            | <p>Viscosity at 72°F:<br/>Part A: 500 cps<br/>Part B: 80 cps<br/>Mixed: 175 cps</p>   |
| <p><b>PHYSICAL<br/>PROPERTIES</b></p>              | <p>COMPRESSIVE STRENGTH ..... ASTM D695 11,000 psi<br/>TENSILE STRENGTH ..... ASTM D638 3,800 psi<br/>ELONGATION AT BREAK ..... ASTM D638 6.68 %<br/>ABRASION RESISTANCE .....<br/>CS-17 WHEEL, 1 kg LOAD ..... ASTM D4060 0.10 gm loss<br/>WATER ABSORPTION ..... ASTM D570 0.09 %<br/>(2 hour boil)<br/>FLEXURAL STRENGTH ..... ASTM D790 9,600 psi<br/>SHORE D HARDNESS ..... ASTM D2240 90<br/>HEAT DISTORTION ..... ASTM D649 120° F<br/>TEMPERATURE<br/>BOND STRENGTH TO ..... 100% Concrete failure<br/>CONCRETE<br/>APPLICATION RATE ..... 200-250 sq. ft./gallon at 6-8 mils<br/>(smooth surface)<br/>APPLICATION RATE ..... 100-110 sq. ft./gallon<br/>(over quartz epoxy floors)</p> |

# LOW V™ Epoxy TECHNICAL DATA

|                            |  |
|----------------------------|--|
| <b>CURE SCHEDULE</b>       | POT LIFE @ 75°F ..... 20 minutes<br>TACK FREE ..... 3-4 hours<br>FOOT TRAFFIC ..... 7 hours<br>FULLCURE ..... 5-7 days   |
| <b>SURFACE PREPARATION</b> | Surface to be topcoated must be clean and free of oils, grease and loose contamination.  |
| <b>APPLICATION</b>         | Mix LOW V epoxy base with the LOW V curing agent. Use a mechanical mixer if possible to ensure thorough mixing. The mixing ratio is 2/1 (base/curing agent) by volume or 1/0.43 by weight. Mix really well - with parts A and B so thin and clear it is very easy to mix poorly and have uneven mixing within the same batch. This will produce tacky sections that never get completely hard and tack free. LOW V does not require a 'sweat-in' or induction time and the mixed components should be used immediately.<br><br>Potlife is approximately 20 minutes at 75°F, so mix only the amount of epoxy that can be easily applied within that time limit. Apply using a brush, roller, squeegee or pour. Use straight or thin with solvent for a wood penetrating epoxy. Mix with thickeners to get an epoxy putty. |
| <b>NOTES</b>               | Unless top-coated with a UV absorber, this epoxy will yellow in sunlight.<br><br>This epoxy will generate a considerable amount of heat when it hardens. Thin plastic containers will melt.  |
| <b>TEMPERATURE</b>         | Temperature will exert a considerable influence on the rate of curing of chemically cured coatings such as Low V epoxy. In broad terms expect each 10°C, (18°F), rise or fall in temperature to half or double dry times and pot lives.  |
| <b>TRANSPORT</b>           | Epoxy base - Nonregulated by USDOT, IATA & IMO.<br>Curing agent - USDOT, IATA & IMO "Regulated". Class 8, Packing group III, UN 2735, Corrosive.<br>Curing agent quantities of under 4 liters is ORM-D exempt for ground shipment.   |

**SAFETY:** This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

**WARRANTY DISCLAIMER:** The technical data given herein has been compiled for your help and guidance and is based upon our experience and knowledge. However, as we have no control over the use to which this information is put, no warranty, express or implied is intended or given except that these goods shall be of merchantable quality and buyer assumes all risk and liability for results obtained by the use of the materials covered in this data sheet, whether used singly or in combination with other products. We assume no responsibility whatsoever for coverage, performance or damages, including injuries resulting from use of this information or of products recommended herein. The sale and use of this product is governed by Progressive Products, Inc.'s Warranty Disclaimer and Return Policy.

|                                      |  |  |
|--------------------------------------|--|--|
| <b>Manufactured by:</b><br>ERC in RI | <b>Distributed by:</b><br>Progressive Epoxy Polymers, Inc.<br>48 Wildwood Dr.<br>Pittsfield, NH 03263-3406 | Tel: 603-435-7199<br>Fax: 603-435-7182<br><a href="http://www.epoxyproducts.com">www.epoxyproducts.com</a><br><a href="mailto:info@epoxyproducts.com">info@epoxyproducts.com</a> |
|--------------------------------------|--|--|