

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>STANDARD PRODUCT DESCRIPTION</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>USES</p>	<p>Sealing Concrete/wood Clear Coat Surface Waterproofing Coating Table Tops and Counters Base coat under other epoxies or urethanes</p>
<p>FEATURES</p>	<p>Low viscosity Convenient 2 to 1 ratio by volume (1 to .43 by weight) Non-blushing/water spotting Bonds to damp concrete Self-leveling and air releasing (non bubbling) Solvent-free (no odor)</p>
<p>VISCOSITY</p>	<p>Viscosity at 72°F: Part A: 500 cps Part B: 80 cps Mixed: 175 cps</p>
<p>PHYSICAL PROPERTIES</p>	<p>COMPRESSIVE STRENGTH ASTM D695 11,000 psi TENSILE STRENGTH ASTM D638 3,800 psi ELONGATION AT BREAK ASTM D638 6.68 % ABRASION RESISTANCE CS-17 WHEEL, 1 kg LOAD ASTM D4060 0.10 gm loss WATER ABSORPTION ASTM D570 0.09 % (2 hour boil) FLEXURAL STRENGTH ASTM D790 9,600 psi SHORE D HARDNESS ASTM D2240 90 HEAT DISTORTION ASTM D649 120° F TEMPERATURE BOND STRENGTH TO 100% Concrete failure CONCRETE APPLICATION RATE 200-250 sq. ft./gallon at 6-8 mils (smooth surface) APPLICATION RATE 100-110 sq. ft./gallon (over quartz epoxy floors)</p>

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CURE SCHEDULE	POT LIFE @ 75°F 20 minutes TACK FREE 3-4 hours FOOT TRAFFIC 7 hours FULLCURE 5-7 days
SURFACE PREPARATION	Surface to be topcoated must be clean and free of oils, grease and loose contamination.
APPLICATION	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. 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.
NOTES	Unless top-coated with a UV absorber, this epoxy will yellow in sunlight. This epoxy will generate a considerable amount of heat when it hardens. Thin plastic containers will melt.
TEMPERATURE	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.
TRANSPORT	Epoxy base - Nonregulated by USDOT, IATA & IMO. Curing agent - USDOT, IATA & IMO "Regulated". Class 8, Packing group III, UN 2735, Corrosive. 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.

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Manufactured by: ERC in RI	Distributed by: Progressive Epoxy Polymers, Inc. 48 Wildwood Dr. Pittsfield, NH 03263-3406	Tel: 603-435-7199 Fax: 603-435-7182 www.epoxyproducts.com info@epoxyproducts.com
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