

# Low V Floor Epoxy<sup>TM</sup> TECHNICAL DATA

## SOLVENT-FREE EPOXY COATING

**Sealant  
Top Coat**

**Solvent-Free  
Easy 2:1 Mixing Ratio  
VOC Class: Floor Coating VOC = 0 g/l**

<p><b>STANDARD PRODUCT DESCRIPTION</b></p>	<p>Low V Floor<sup>TM</sup> Epoxy is a 100% solids, low viscosity, clear resin system designed for floor applications. Non-Blushing with good chemical resistance and physical properties.</p>
<p><b>USES</b></p>	<p>Sealing Concrete Clear Coat Surface Base coat under other epoxies or urethanes</p>
<p><b>FEATURES</b></p>	<p>Low viscosity Convenient 2 to 1 ratio by volume Non-blushing Self-leveling Solvent-free (no odor)</p>
<p><b>VISCOSITY</b></p>	<p>Viscosity at 72°F: Part A: 500 cps Part B: 80 cps Mixed: 175 cps</p>
<p><b>PHYSICAL PROPERTIES</b></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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<b>CURE SCHEDULE</b>	POT LIFE @ 75°F ..... 20 minutes TACK FREE ..... 3-4 hours FOOT TRAFFIC ..... 7 hours FULL CURE ..... 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 Floor epoxy base with the Low V Floor 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.
<b>NOTES</b>	All epoxies will yellow in direct sunlight. Topcoating with UV protection is recommended.  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 Floor 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. 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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