

Basic No-Blush™ Epoxy TECHNICAL DATA

SOLVENT-FREE EPOXY COATING

**Boatbuilding
Laminating
Pebble Stone Surfacing**

**Solvent-Free
Easy 2:1 Mixing Ratio
Contains no carcinogens
Medium Viscosity
Three Different Curing Agents**

<p>STANDARD PRODUCT DESCRIPTION</p>	<p>Basic No-Blush™ is a 100% solids, marine grade epoxy coating system designed for general marine/boating applications. It will not blush or waterspot under normal conditions. It is available with three different curing agents, a fast cold weather, slightly yellow curing agent, our standard clear curing agent and a thicker, amber colored slow warm weather curing agent. The standard cure version is also widely used for resealing epoxy/pebble flooring systems.</p> <p>The slow summer curing version is 'viscosity adjusted'. Because epoxies become thinner (less viscous) in warmer weather, the summer curing agent has been thickened to approximate the viscosity of the standard No-Blush epoxy at approximately 70°F.</p>																		
<p>USES</p>	<p>Creating and maintaining pebble/epoxy decks Boatbuilding/Repair</p>																		
<p>FEATURES</p>	<p>Excellent chemical resistance Convenient 2 to 1 ratio by volume (1 to .422 by weight) base/cure - Standard cure Superior adhesion to cold, damp surfaces</p>																		
<p>VISCOSITY</p>	<p>Approximate viscosity at 72°F:</p> <table border="0"> <tr> <td></td> <td style="text-align: center;">Standard/Winter</td> <td style="text-align: center;">Summer</td> <td></td> </tr> <tr> <td>Part A:</td> <td style="text-align: center;">900 cps</td> <td style="text-align: center;">900 cps</td> <td></td> </tr> <tr> <td>Part B:</td> <td style="text-align: center;">175 cps</td> <td style="text-align: center;">4,500 cps</td> <td></td> </tr> <tr> <td>Mixed:</td> <td style="text-align: center;">600 cps</td> <td style="text-align: center;">2,000 cps</td> <td></td> </tr> </table>				Standard/Winter	Summer		Part A:	900 cps	900 cps		Part B:	175 cps	4,500 cps		Mixed:	600 cps	2,000 cps	
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<p>PHYSICAL PROPERTIES</p>		<p style="text-align: center;">Standard</p>	<p style="text-align: center;">Summer</p>																
	COMPRESSIVE STRENGTH ASTM D695	9,500 psi	9,200 psi																
	TENSILE STRENGTH ASTM D638	6,200 psi	8,600 psi																
	ABRASION RESISTANCE																		
	CS-17 WHEEL, 1 kg LOAD ASTM D4060	0.20 gm loss	0.20 gm loss																
	WATER ABSORPTION ASTM D570 (2 hour boil)	0.16 %	0.16 %																
	FLEXURAL STRENGTH ASTM D790	5,500 psi	5,500 psi																
	SHORE D HARDNESS ASTM D2240	90	78																
	HEAT DISTORTION ASTM D649 TEMPERATURE	125° F	125° F																
	LAP SHEAR	2,200 psi	2,250 psi																

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CURE SCHEDULE	<p>FULLCURE 5-7 days RECOAT 6 to 24 hours</p>
POT LIFE	<p>(For sample size of 5 oz. Larger batches will result in shorter pot lives.) Standard cure - stored at 73°, applied at approx. 73° - 25 minutes. Summer (slow) cure - stored at 73°, approx. 92° work environment - 50 minutes. - stored at 92°, approx. 92° work environment - 25 minutes. - stored at 73°, approx. 73° work environment - 60 minutes. Note: at less than 80° the epoxy may be too thick to easily mix. Winter (fast) cure - stored at 73°, approx. 45° work environment - 18 minutes. - stored at 45°, approx. 45° work environment - 50 minutes. (very thick to pour and mix) - stored at 73°, approx. 73° work environment - 17 minutes.</p>
SURFACE PREPARATION	<p>Surface to be topcoated must be clean and free of oils, grease and loose contamination.</p>
APPLICATION	<p>Mix Basic No-Blush epoxy base with the Basic No-Blush curing agent. Use a mechanical mixer if possible to ensure thorough mixing. The mixing ratio is 2/1 (base/curing agent) by volume or 1/0.422 by weight. Basic No-Blush does not require a 'sweat-in' or induction time and the mixed components should be used immediately.</p> <p>Potlife is approximately 20/40/80 minutes at 65°F (6 oz.), so mix only the amount of epoxy that can be easily applied within that time limit. Note: larger batches will result in shorter pot lives. Apply using a brush, roller, or squeegee.</p> <p>Basic-No-Blush is a flowable coating and is suitable for horizontal surfaces. For vertical surfaces, thoroughly combine Part A epoxy base to Part B curing agent and then add thickener to the mixed epoxy. To seal or reseal pebble decks apply with thick split roller at a rate of approximately 160 sq. ft. per gallon (coverage is dependent on the size of the pebble void spaces).</p>
NOTES	<p>Unless top-coated with a UV absorber, this epoxy will yellow in sunlight. Part A may crystallize over time. Warm gently to restore. Can be thickened with standard epoxy thickening agent. Developing a strong bond/adhesion to surfaces require 36-48 hours curing time.. Allow 48 hours cure time before testing bond strength between fiberglass cloth and surface.</p>
TEMPERATURE	<p>Temperature will exert a considerable influence on the rate of curing of chemically cured coatings such as Basic No-Blush Epoxy. In broad terms expect each 10°C, (18°F), rise or fall in temperature to half or double dry times and pot lives.</p>
TRANSPORT	<p>Epoxy base - Nonregulated by USDOT, IATA & IMO. Curing agent - USDOT, IATA & IMO "Regulated". Class 8, Packing group III, UN 2735, Corrosive. Curing agent for Summer Cure - Not Regulated. Curing agent quantities of under 4 liters is ORM-D exempt for ground shipment.</p>

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

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