

Splash Zone Mastic TECHNICAL DATA

SOLVENT-FREE EPOXY

**Patching Compound
Marine Coating
Self Primer**

**Solvent-Free
Easy 1:1 Mixing Ratio
Works Underwater**

<p>STANDARD PRODUCT DESCRIPTION</p>	<p>Solvent-free patching compound used for repairing pits, cracks and voids in steel, concrete, wood and other surfaces. Has the ability to be mixed, applied and cured underwater.</p>
<p>FEATURES</p>	<p>Designed for underwater and other wet application Can be applied up to 2" in thickness Self-priming on most surfaces and over most generic types of coatings Rapid cure characteristics VOC compliant to current AIM regulations</p>
<p>PHYSICAL PROPERTIES</p>	<p>COLOR Olive green FINISH Flat PRIMERS Self priming TOP COATS Epoxies, Polyurethanes if required DRY FILM THICKNESS 1/8" - 2" (3.1 - 50 mm) for most applications. 1/4" (6.4 mm) is practical maximum thickness for vertical and overhead applications SOLIDS CONTENT By volume: 99% ± 1% THEO. COVERAGE RATE 1604 mil ft² (24.5 m²/l at 25 microns). Allow for loss in mixing and application. Field experience has displayed a realistic coverage rate of 8 ft²/gallon (.2 m²/l). This figure accounts for actual losses and the fact that the product is frequently applied at higher dry film thicknesses. VOC VALUES As supplied: 0.00 lbs/gal (0 g/l). These are nominal values DRY TEMPERATURE Continuous: 200°F (93°C) RESISTANCE Non-Continuous: 250°F (121°C) WORKING TIME @ 70°F Golfball size mix - 40 minutes; baseball to softball size - 30 minutes; 1/2 gallon mix - 15 minutes. Working times are reduced by half at temps above 80°F</p>
<p>SURFACE PREPARATION</p>	<p>Remove all oil or grease from the surface in accordance with SSPC-SP1. Remove all dirt, loose paint, spalling concrete, rotted wood, marine growth and other contaminants by abrasive blasting or high pressure water blasting. Hand or power tool cleaning methods may be used but are of limited benefit and are time consuming. Abrasive blasting can be done underwater as the initial air blast will clear a path through the water for the abrasive/air mixture. When working at the splash zone or in salt water, coat cleaned metal surfaces as soon as possible to minimize new corrosion.</p>

SOLVENT-FREE COATINGS FOR TOUGH ENVIRONMENTS

SPLASH ZONE Epoxy TECHNICAL DATA

APPLICATION AND MIXING

Apply by hand, trowel or broad knife. Spread material smoothly onto the surface in a 1/8" to 1/4" (3.1 to 6.4 mm) thick layer using enough pressure to displace water and air bubbles. Smooth out the area by hand. When starting another mix, start spreading at and away from the previous applied film. This will help prevent trapped air bubbles or leaving an area uncoated. If applying to dry surfaces in dry air, periodically rewet hands or tools with water to keep the product from sticking. When used as a patch or grout, force the material into the hole or crack and smooth by hand to the thickness needed. For larger patches greater than 1/2" (12.7 mm), use a steel or fiberglass plate for added support. Apply Splash Zone to the substrate, then embed the support plate (cut larger than the hole) and apply Splash Zone overall. When applied underwater or when wetted with water during application, the surface of Splash Zone will form an emulsified lighter green "scum" layer. This layer is normal and facilitates application. The film under the "scum" layer remains undisturbed and will cure properly. The "scum" layer will cure and become part of the finish when Splash Zone is cured above water; however, this layer will remain soft and uncured when the Splash Zone is kept underwater during curing.

Mix one Part A to one Part B by volume. Mix by hand "scooping" a quantity of the "A" component from the can and then "scoop" the same quantity of the "B" component from its can. Mix and knead the two components by hand until the yellow and black colors have combined to make a uniform olive green color. Apply this mixture immediately after mixing; no sweat-in time is required. To assist in mixing, keep the gloved hands and the materials wet with water during the mixing process. **DO NOT THIN.** Thinning may adversely affect product performance and void product warranty. **DO NOT** mix more material than can be applied in the working times listed. The material may still appear to be workable after the time limit is exceeded, but it will not properly adhere to the substrate after application and curing.

APPLICATION CONDITIONS

<u>Condition</u>	<u>Material</u>	<u>Surface</u>	<u>Ambient</u>	<u>Humidity</u>
Normal	65°-75°F	60°F-80°F	60°-80°F	30-70%
Minimum	50°F	50°F	50°F	0%
Maximum	100°F	110°F	100°F	100%

Special application techniques may be required above or below normal application conditions. Do not apply or cure in acidic or alkaline water (pH less than 6 or greater than 9) or in solutions containing solvents.

CURING SCHEDULE

<u>Surface Temp & 50% Rel. Humidity</u>	<u>Dry to Touch</u>	<u>Dry To Handle Topcoat</u>	<u>Maximum Recoat Time</u>
50°F	8 hours	36 hours	72 hours
60°F	4 hours	16 hours	48 hours
75°F	2 hours	8 hours	24 hours
90°F	1 hour	6 hours	12 hours

These times are based on a 1/8" dry film thickness. Higher film thicknesses or cooler temperatures will require longer cure times. If the maximum recoat times have been exceeded, the surface must be abraded by sweep blasting or sanding to product a rough surface and to remove the "scum" layer before the application of any further coatings.

STORAGE

40°- 110°F. Store indoors. Relative Humidity: 0-100%
Shelf Life - 24 months at 75°F

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

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