



PROSEAL EZ RESIN

SANDABLE MARINE EPOXY COATING SYSTEM

PRODUCT BULLETIN



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DESCRIPTION

ProSeal EZ is a white epoxy coating system developed for use in the manufacture of composite and wooden boats. This two component resin system will fill in and seal surface fabric textures in FRP reinforced structures, leaving a porosity free sandable surface, replacing the conventional method of blending resin, hardener and thickening additives. Typically, one application applied with brush, roller or squeegee, is all that is required to fill in the texture or weave in cloth fabric. ProSeal EZ is resistant to water immersion, making it an ideal choice for sealing exterior and interior marine structures, above or below-the-waterline. ProSeal EZ is available with two hardener options and simple 5R:1H parts-by-volume mix ratio: **ProSeal EZ 15 Fast Hardener** and **ProSeal EZ 60 Slow Hardener**.

BENEFITS

- Fills Weave in One Application with No Porosity
- Easier to Sand Resin Formula
- When Used with ProSeal EZ 15 Hardener: Surface can be Sanded in as Little as 4 hours
- Excellent Resistance to Water Immersion
- For Applications Above or Below the Waterline

Note: Do not topcoat directly over ProSeal EZ. Use surface primer products as recommended by topcoat manufacturer.

HANDLING CHARACTERISTICS @ 25°C/77°F

| | <u>PROSEAL EZ 15</u> | <u>PROSEAL EZ 60</u> |
|-----------------------------------------------------------------|-------------------------------|-------------------------|
| Mixed Ratio (parts by volume) | 5R/1H | 5R/1H |
| Mixed Ratio (parts by weight)..... | 100R/21.5H..... | 100R/20.7H |
| Mixed Viscosity | 14,000 cps | 14,000 cps |
| Pot Life | 15 mins (243 gram mass) | 61 mins (200 gram mass) |
| Specific Gravity | 0.934 g/cc | 0.934 g/cc |
| Yield Per Gallon @ 0.030" | 53 sq/ft | 53 sq/ft |
| Complete Cure | 7 days | 7 days |
| Mixed Density..... | 7.8 lbs/gallon..... | 7.8 lbs/gallon |
| Color..... | White..... | White |
| Shelf Life Resin and Hardener (in original unopened containers) | 2 years | 2 years |

TYPICAL CURED PHYSICAL PROPERTIES (Cast Bar)

| | | |
|------------------------------------------|-------------------|-------------|
| Flexural Strength(ASTM D-790.92) | 8,269 psi | 7,686 psi |
| Flexural Modulus(ASTM D-790.92) | 421,021 psi | 476,600 psi |
| Tensile Strength(ASTM D-638.94b)..... | 5,663 psi | 5,108 psi |
| Tensile Elongation(ASTM D-638.94b) | 1.70%..... | 1.34% |
| HDT @ 66 psi(ASTM D-648.82) | 54°C/130°F | 47°C/117°F |

CHEMICAL RESISTANCE/96 HOURS IMMERSION (MASS +/-% WEIGHT CHANGE)

| | | |
|---------------------------|-----------------|-----------|
| Water..... | +0.36%..... | +0.38% |
| 1M H2S04 | +1.45%..... | Destroyed |
| Toluene | +2.37%..... | +9.92% |
| Unleaded Gasoline..... | +0.03%..... | +0.10% |
| Kerosene | +0.09%..... | +0.04% |
| Jet-A Aviation Fuel..... | +0.16%..... | +0.08% |
| Methyl Ethyl Ketone | Destroyed | Destroyed |
| Acetone | Destroyed..... | Destroyed |

CHEMICAL RESISTANCE/32 DAY IMMERSION (MASS +/-% WEIGHT CHANGE)

| | | |
|-----------------------------------------|----------------|-----------|
| Unleaded Gasoline with 25% Ethanol..... | Destroyed..... | Destroyed |
|-----------------------------------------|----------------|-----------|

ProSeal EZ Tech/Revised 1/28/10
Supersedes 6/22/06

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