

PRIMERS



CSNRI Composites offers a wide range of primers designed to work in concert with our engineered composite repair systems across a wide range of applications for both temperature ranges and chemical compatibilities. Whether you need a primer material for high-temperature applications, harsh chemical environments, or bonding needs, we have a solution for you.

APPLICATIONS

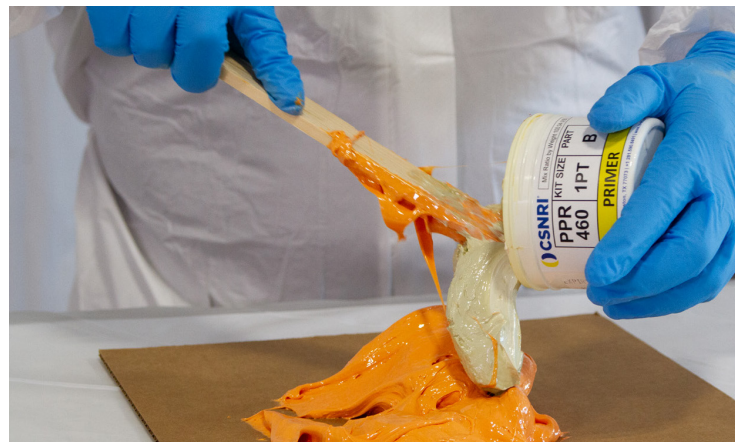
High bond strength, workable, primer systems are used within CSNRI's non-metallic composite repair systems as a critical component to their success and effectiveness. They perform the following functions for the repair system:

- › Bonding agent and promoter between pipe and composite
- › Load transfer between pipe and composite
- › Effective corrosion prevention barrier
- › First contact protection against internal chemicals which may come into contact with the repair system

COMPLIANT WITH:

(standards/regulations)

- › US DOT CFR 192 and 195
- › CSA Z662
- › ASME PCC-2 Article 401
- › ISO 24817



ASSOCIATED SYSTEMS

- › **PPR-220:** Atlas, Atlas UA, A+ Wrap, A+ Max, DiamondWrap, SynthoGlass XT, ThermoWrap
- › **PPR-290:** Atlas, Atlas UA, A+ Wrap, A+ Max
- › **PPR-460:** DiamondWrap HT, ThermoWrap HT
- › **PPR-580:** DiamondWrap UHT
- › **PPR-590:** ThermoWrap 500

CSNRI PRIMERS PROPERTIES

| | PPR-220 | PPR-290 | PPR-460 | PPR-580 | PPR-590 |
|--|--------------------------------------|---------------------|-------------|-----------------------|---|
| Stock Sizes Available | 2-Gallon 1-Quart 16 OZ 4 OZ | 2-Quart 2-Gallon | 1-Pint | 1-Pint 1/2-Pint | 8"x30'/20 SQFT 4"x30'/10 SQFT 2"x15'/2.5 SQFT |
| Coverage Rate (ft²/Gallon) | 53 | 53 | 53 | 80 | N/A |
| (m²/Gallon) | 4.9 | 4.9 | 4.9 | 7.4 | N/A |
| Application Thickness Range (inch) | 0.01-0.03 | 0.01-0.03 | 0.01-0.03 | 0.01-0.02 | 0.026 |
| (mm) | 0.254-0.762 | 0.254-0.762 | 0.254-0.762 | 0.254-0.508 | 0.66 |
| Mix Ratio (By Weight) | 4:1 | 1:1 | 3:1 | Single Component | Pre-impregnated Fiber Roll |
| Working Time (Min.)* | 60 | 30 | 360 | Heat Cure Required | Heat Cure Required |
| Set Time (Min.)* | 90 | 120 | 480 | Heat Cure Required | Heat Cure Required |
| Glass Transition Temp. (°F) | 230 | 200 | 485 | 651 | 575 |
| (°C) | 110 | 93.3 | 251.7 | 344 | 301.7 |

*Working Time and Set Time are expected time when installed on pipe at 75°F in their thin film usage rates.

WARRANTY CSNRI routinely implements product improvements. Please contact your local distributor or office for the most current product specifications. CSNRI warrants the quality of this product when used according to directions

PS_0825

ISO 9001 Certified