

FULL METAL JACKET®

FMJ-3000-PW

PRODUCT FEATURES & BENEFITS:

FMJ Enterprises specialty coatings are providing the best in corrosion protection, while being safe for our environment and totally user friendly.

FMJ-3000-PW is a 100% solids, two component novolac epoxy and carbon fabric pipe wrap supplied as a complete kit. Designed for maximum heat and chemical resistance for pipe rehab & preventive maintenance. Excellent application for straight runs, elbows, 90's and tees.

- 100% Solids, No VOCs
- Excellent chemical & heat resistance
- Superior strength
- Excellent for all pipe sizes

SURFACE PREP:

Surfaces must be prepped by removing all surface contaminants and then grit blast to obtain a NACE No. 1 (SSPC-SP5) or 3 mil profile. Sweat/Bake oily chemical saturated pieces before blasting. This process should be repeated until all salts are removed.

MIXING & APPLICATION:

FMJ-3000-PW is a two component material mixed 3:1 by volume. The two components should be thoroughly mixed. Saturate cloth with epoxy and wrap pipe per specifications.

MULTIPLE COATS:

Second and subsequent coats must be applied before the previous coat has completely cross-linked. Apply additional coats when the previous coat will still string out (pigtail) and hold its shape when touched. If any light tack remains, allow the product to cure, then brush blast before applying the next coat.

The same requirement applies when overlapping the seams of adjacent coating section to create a continuous protective film. If the coating surface to be overlapped at the seam cannot be brush blasted, use a non-impact means such as power brushing or sanding to create a mechanical profile.

PHYSICAL PROPERTIES:

| EPOXY | |
|--|---------------------------------|
| Color | Clear |
| Mix Ratio by Volume | 3:1 (Resin: Hardener) |
| Flash Point | >250°F (121°C) |
| Pull-Off Adhesion Test ASTM D 4541 | Minimum adhesion is 2800 psi |
| Coefficient of Expansion (10-6/per °F) | 1.8 |
| Specific Gravity | Resin: 1.55 Hardener: 0.98 |
| Volatile Organic Compounds (VOC) | 0 grams/liter |
| COMPOSITE CLOTH | |
| Tensile Strength Carbon (ASTM D638) | 650,000 psi |
| Thickness Per Layer of Laminate (50% resin) | 16.6 mils |

CURE TIME (68°F):

| | |
|--------------------------------|-------------|
| Working Time | 40 minutes |
| Re-coat Window | 1-1 ½ hours |
| Touch Dry | 12 hours |
| Immersion (Aqueous) Service | 30 hours |
| Full or Chemical Service | 7 days |

FMJ-3000-PW

SERVICE TEMPERATURE:

| | |
|--------------------|---------------|
| Dry Service | 550°F (288°C) |
| Spill/Splash | 450°F (232°C) |
| Immersion Service* | 300°F (149°C) |

*Immersion with solvents, mineral acids, or alkalines, or if over 150°F, contact Distributor.

CHEMICAL RESISTANCE:

- Ammonium Hydroxide
- Aromatic & Aliphatic Solvents
- Benzene
- Black Liquor
- Butyl Acetate
- Butyl Carbitol
- Chlorinated Solvents
(except Methylene Chloride)
- Chlorides
- Crude Oil
- Diesel Fuel
- EDC
- Hexanol
- Hydrochloric Acid (up to 35%,
37% hydrogen chloride content)
- Hydrofluoric Acid (up to 10%)
- Hydrogen Sulfide

- Kerosene
- MEK
- Naphtha
- Nitric Acid (up to 30%)
- Organic Acids (many)
- Pentane
- Phosphates
- Phosphoric Acid (up to 100%)
- Potassium Hydroxide
- Salts
- Sodium Hydroxide (up to 50%)
- Sulfides
- Sulfuric Acid (up to 98%, splash & spill)
- Styrene
- Toluene
- White Liquor
- Xylene

ORDERING INFORMATION:

For additional information, prices, or to place an order, please contact your Full Metal Jacket sales representative.

FMJ Enterprises, LLC

Tel: 225-313-1030

Email: support@fmjenterprises.com

Web site: www.fmjenterprises.com

All statements, technical information, and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, express or implied. Sellers and manufacturers only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of the product for the intended use, and user assumes all risk and liability whatsoever therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of seller and manufacturer.

"Put A Jacket On It"®