

PRODUCT PROFILE

DESCRIPTION

COMBAT "FLACJAK" is a low cost 100% solids epoxy coating specifically designed to replace less efficient Coal Tar Epoxies. COMBAT "FlacJak" contains no VOC's, which equates to NO SHRINKAGE after installation. When compared to conventional coal tar epoxy, less COMBAT "FlacJak" is required for identical cured film thickness.

COMBAT "FlacJak" incorporates recycled tire rubber adding exceptional impact resistance. Surface preparation on metals surfaces is minimal. Concrete substrates require application of primer. COMBAT "FlacJak" is economically priced and offer enhanced performance properties when compared to traditional solvent bases coal tar epoxy. COMBAT "FlacJak" can be sprayed, rolled, troweled or brushed to surfaces with minimal surface preparation. COMBAT "FlacJak" is also available in a paste grade.

- 100% Solids, No VOCs
- Excellent Immersion Resistance
- Can be sprayed, rolled, or brush applied
- Also available in Paste Grade*

CHEMICAL RESISTANCE

- | | | |
|--------------------------|-------------------------------|------------------------|
| • Acetic Acid 10% | • Hydrochloric Acid up to 20% | • Sodium Hydroxide 50% |
| • Ammonium Hydroxide 25% | • Mineral Spirits | • Sulfuric Acid 75% |
| • Brine Water | • Potassium Hydroxide 50% | • Sewage |
| • Copper Sulfate | • Crude Oil | • Alkalis |
| • Diesel Fuel | • Ethylene Glycol | • Wine |
| • Gasoline | • Sodium Chloride | • Ethanol |

PHYSICAL PROPERTIES

Color	Black, Grey
Container Size	1, 2 and 5 gallons
Coverage per gallon (Theoretical)	160 sq. ft. @10 mils thickness
Flash Point	> 250°F (121°C)
Pull-Off Adhesion Test ASTM D 4541	Minimum adhesion is 2750 psi
Recommended Thickness	2 coats @ 8-12 mils each
Specific Gravity	Resin: 1.45 Hardener: 0.97
Volatile Organic Compounds (VOC)	0 grams/liter

POT LIFE

40°F (4°C)	9 hours
75°F (24°C)	1 hour 5 minutes
92°F (33°C)	1 hour

Note: Do not keep the blended coating in the original container unless immediate use is planned. Otherwise, exotherm—heat created during the curing process—will considerably shorten the pot life. Pour the coating into a rolling tray or large aluminum-basting pan. Try to keep the depth of the coating in the tray below 3/8".


**SERVICE
TEMPERATURE**

Dry Service	-30°F to 250°F (121°C)
Spill/Splash	190°F (87.7°C)
Immersion Service*	150°F (65.5°C)*

**Water immersion-190°F (90°C)-Atlas test cell for 60 days, unaffected*

**PUMP
SPECIFICATIONS**

Pump Ratio	56:1 or greater
Minimum Output.....	5600 psi
Product Hose: Min. - Optimum I.D.	0.375 - 0.5 inch
Max. Length.....	60 feet

**MULTIPLE
COATS**

Second and subsequent coats must be applied before the previous coat has completely cross-linked. If additional coats are needed after re-coat window, brush blast before applying the next coat. Small areas may be abraded by sanding or wire brushing.

The same requirement applies when overlapping the seams of adjacent coating sections 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 as power brushing or sanding to create a mechanical profile.

**CURE TIME
(AT 70°F OR 21°C)**

Re-coat Window.....	24 hours
Light Loading	2 days
Immersion (Aqueous) Service	24 hours
Full or Chemical Service.....	7 days