

SHORT STUFF®

Suggested Starting Formulation

SPLASH ZONE COATING TWO PART EPOXY SOLVENT FREE CONTAINING SHORT STUFF® HDPE E380F

MATERIALS:

Part A:

	% by weight
Araldite® 6005 Epoxy Resin.....	16.0
Araldite® 6010 Epoxy Resin.....	16.0
Ti-Pure® R-900-01.....	5.5
Imsil® A-15.....	39.0
MiniFIBERS' SHORT STUFF® HDPE E380F.....	1.5
Claytone® 34.....	2.0

Part B:

Araldite® 830 Hardener.....	10.0
Araldite® 850 Hardener.....	10.0
	100.0

MIXING PROCEDURE:

Part A:

Add Araldite® 6005 and Araldite® 6010 to mixer; slowly add Ti-Pure® R-900-01, Imsil® A-15, and half of the SHORT STUFF® HDPE E380F. Mix ten minutes; add remainder of SHORT STUFF® HDPE E380F and Claytone® 34 and mix for ten minutes.

Part B:

Add Araldite® 830 and Araldite® 850 to a separate mixer and mix for five minutes.

PHYSICAL PROPERTIES:

Non-Volatiles.....	100%
Epoxy/Hardener Ratio.....	100/60
Hardener 830/850 Ratio.....	1/1
Pigment/Binder Ratio.....	47/53
Density, 25°C.....	13.5 lbs./gallon
Viscosity, 25°C (Parts A & B).....	100,000 cps
Film Thickness.....	6-120 mils
Shelf Life.....	12 months in unopened container

PERFORMANCE:

Application - Brush or mitt.

(Underwater, sandblast to one-two feet below water or tide level). Use gloves and apply by hand at 1/8" to 1/4" thickness. Apply in ring above water line and smear up and down over area to be covered, then feather edges.

Substrate - Steel or concrete.

Appearance - Smooth, white to cream-colored film.

Adhesion - Excellent.

CURE SCHEDULE:

To Touch.....	4 hours at 25°C
Full Cure.....	7 days at 25°C and 50% RH

CHEMICAL RESISTANCE

To immersion at 25°C (continuous):

Water.....	2 years, excellent, no effect
Sodium Hydroxide (20%).....	2 years, excellent, no effect
Hydrochloric Acid (10%).....	2 years, excellent, no effect

MINIFIBERS, INC.

SHORT STUFF®

Suggested Starting Formulation

CHEMICAL RESISTANCE

At room temperature, 25°C:

Citric Acid.....	10%	Linseed Oil Fatty Acid.....	100%
Sulfuric Acid.....	10%	Ammonium Hydroxide.....	29%
Phosphoric Acid.....	10%	Calcium Hypochlorite.....	5%
Hydrogen Peroxide.....	20%	Butyl Alcohol.....	100%
Sodium Sulfite.....	1%	Ethylene Glycol.....	100%
Zinc Hydrosulfite.....	1%	Formaldehyde.....	37%
Mineral Oil.....	100%	Sea Water.....	100%
Sour Crude Oil.....	100%	Tap Water.....	100%

AREAS OF USE:

1. Marine coatings - ship hulls, screws and rudders.
2. Sewer linings, concrete and metal fittings.
3. Waste water treatment plants.
4. Wet processes - ore extractions, pigment slurries, etc.
5. Pulp and paper mills - concrete pulp tanks.
6. Laundries.
7. Below grade steel and concrete surfaces - tunnels, etc.
8. Repair of glass-lined vessels.
9. Coating tanks of ships for crude oil and ballast sea water.
10. Condensers and oil coolers.
11. Glass cloth reinforced repairs.
12. Piers, bulkheads, offshore drilling towers, etc.
13. Chemical resistant floor toppings.

ADVANTAGES:

1. Excellent chemical resistance.
2. Cures completely, even in the presence of moisture.
3. Low temperature cure.
4. Solvent free - no solvent hazards.
5. High build, 100% solid, air-dry coatings.

MINIFIBERS, INC.