

# SHORT STUFF®

## Suggested Starting Formulation

### SOLVENT BASED PROTECTIVE COATING CONTAINING SHORT STUFF® HDPE ESS2F

#### MATERIALS:

	<u>% by weight</u>
Asphalt Cutback (50% Solids).....	71.40
Claytone® 34.....	1.00
Acetone (Polar Activator).....	0.60
Rubber (30 Mesh).....	9.00
Calcium Carbonate.....	6.00
MiniFIBERS' SHORT STUFF® HDPE ESS2F.....	2.00
Mineral Spirits (Rule 66).....	10.00
	<u>100.00</u>

#### MIXING PROCEDURE:

1. Mix Asphalt and Claytone® 34 for five minutes.
2. Add 1.0% by weight of the SHORT STUFF® Polyethylene ESS2F and mix ten minutes.
3. Add remainder (1.0%) of SHORT STUFF® Polyethylene ESS2F and mix until smooth.
4. Add Acetone (Polar Activator, 60% of dry Claytone® weight) and mix.
5. Add Rubber (30 Mesh) and mix for five minutes.
6. Add Calcium Carbonate and mix.
7. Add Mineral Spirits to desired viscosity and mix thoroughly.

#### PHYSICAL PROPERTIES

##### VISCOSITY

Brookfield Viscometer, HBT	
Spindle No. 5, 20 rpm, 24°C, 250 grams	
Reading.....	18
Viscosity.....	28,800 cps
Brookfield HBT (Average)	
Spindle No. 6, 73°F	
2.5 rpm.....	112,000 cps
5 rpm.....	72,000 cps
10 rpm.....	48,000 cps
20 rpm.....	28,000 cps

WEIGHT PER GALLON..... 8.0 lbs.

##### PERFORMANCE

ASTM D-217	
Consistency.....	34.0 - 36.5 mm
Total Moving Weight.....	75 grams, 77°F

APPLICATION..... Spray (0.25" Orifice)

##### SAG

1. Drawdown card, 45° angle, 50 mil, thickness, 24°C. Results - Excellent.
2. Applied 100°F coating to a 100°F metal plate and placed vertically in oven at 150°F for one hour. Results - Excellent.
3. Increased oven temperature to 186°F. Results - Excellent.

**MINIFIBERS, INC.**