

**SUGGESTED STARTING FORMULATION FOR
"ASBESTOS FREE" SOLVENT BASED PROTECTIVE COATING
CONTAINING SHORT STUFF® POLYETHYLENE 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® Polyethylene ESS2F.....	2.00
Mineral Spirits (Rule 66).....	<u>10.00</u>
	100.00

MIXING PROCEDURE:

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

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