

**SUGGESTED STARTING FORMULATION FOR  
ALUMINUM "ASBESTOS FREE" ASPHALT ROOF COATING  
CONTAINING SHORT STUFF® POLYETHYLENE E380F**

	Formulation A % by weight	Formulation B % by weight
<b>MATERIALS:</b>		
Asphalt (64% Solids).....	65.6	68.2
Claytone® 34.....	1.0	
Perlite® 800 Fines.....		7.0
Acetone (Polar Activator).....	0.6	
Aluminum Silicate.....	8.0	
MiniFIBERS' SHORT STUFF® Polyethylene E380F.....	2.0	2.0
Aluminum Paste.....	<u>22.8</u>	<u>22.8</u>
	100.0	100.0

**MIXING PROCEDURE:**

1. Mix Asphalt and Claytone® or Perlite® for five minutes.
2. Add Acetone (Polar Activator, 60% of dry Claytone® weight) and mix. (This step is eliminated when using Perlite®/Formulation B.)
3. Add Aluminum Silicate and mix for five minutes.
4. Add half (1%) of the SHORT STUFF® Polyethylene E380F and mix until smooth.
5. Add remainder (1%) of SHORT STUFF® Polyethylene E380F and mix until smooth.
6. Add Aluminum Paste (coarse leafing grade 6233) and mix thoroughly.

**PHYSICAL PROPERTIES**

**VISCOSITY**

Brookfield Viscometer, HBT  
Spindle No. 5, 20 rpm, 24°C

	Formulation A	Formulation B
Reading.....	9	14
Viscosity.....	14,400 cps	22,400 cps

<b><u>WEIGHT PER GALLON</u></b> .....	8.25 lbs.	8.34 lbs.
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**REFLECTANCE**

Initial.....	61.4%	62.8%
50 hrs. in Cleveland Humidity Chamber.....	59.8%	60.2%

**APPEARANCE ON PANEL**

Very good.

**COLOR**

Very good (white - chrome).

**SAG**

Applied 100°F coating to a 100°F metal plate and placed in oven vertically for one hour at 150°F. Results - Excellent.

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