

Southeast Coatings, Inc.

**Turtle Coat Architectural Coatings**

Toll Free (888)-734-7710

**Laboratory Report**

Office (770)-614-1307 Fax (770)-614-1307

Revision:12/20/2004

Physical Property		Test Results				
	ASTM TEST	Test Req'mt	Turtle Coat	Turtle Coat Roof	Turtle Roof Plus	Adhesive Primer Sealer
<b>I. Colloidal Properties</b>						
Viscosity (KU)	D562	85-141	110.5	117.3	118.6	99.9
Volume Solids (%calculated)	D2697	>50				
Weight Solids (% calculated)	D1644	>60	65.7	62.3	63.5	40.6
<b>II. Mechanical Properties of the Film</b>						
<b>A. After 14 Days Drying in Standard Lab Conditions</b>						
Tensile Strength @ 73 F	D2370	>=200lb/in	397	461	333	65
Elongation at Break	D2370	>=100%	410	308	639	2642
<b>B. After 1000 Hours Aging in a Xenon Arc Weatherometer</b>						
Elongation at Break	D2370	>=100%	192	200	398	2279
Accelerated Weathering (Cracking/Checking)	D4798	Nil	Nil	Nil	Nil	Nil
<b>III. Other Properties of the Film</b>						
Wet Adhesion (Galvanized Metal)	C794/D903	> 2 lb/in	5.56	3.04	3.55	3.92
Tear Resistance (Die C)	D624	>60lbf/in	137	118.8	142.5	29.1
Permeance (Inverted)	D1653A	<50 perms	19.6	30.5	12.8	3.2
Permeance (upright)	D1653A	NR	17.2	12.8	11.2	3.9
Water Swelling	D471	<20 w'ght %	11.6	14	23.2	37.6
<b>IV. Other Non-Required Test Results</b>						
Dry Adhesion (Galvanized Metal)	C794/D903	NR	11.72	3.84	5.63	4.4
Testing Performed by: B.A.S.F. Corporation						
<b>V. Energy Star Required Test Results</b>						
Solar Reflectance	E 903	NR	83%	82.70%	81.30%	NT
Near Normal Emittance Calculated (Emissivity)	E 408-71	NR	0.094	0.93	0.94	
Testing Performed By: Atlas Weathering Services Group						
<b>VI. National Fire Protection Association 101 Life Safety Code Test Results</b>						
Fire Rating	Class A					
Testing Performed by : Commercial Testing Company						
Testing for the Products Listed Above Were Conducted for the Manufacturer						