



**Results of Testing:**

**ASTM D 6083**

Property	ASTM Test Method	Result	ASTM D 6083 Requirement
<b>Liquid Requirements (Table 1)</b>			
Brookfield Viscosity @ 73.4°F, cps	D 2196	16,800	12,000 - 85,000
Viscosity @ 73.4°F, KU	D 562	103	85 - 141
Volume Solids, %	D 2697	57.3	>50
Weight Solids, %	D 1644	73.5	>60
<b>Film Properties (Table 2)</b>			
Initial Tensile Strength @ 73°F, psi	D 2370	314	200 min
Initial Elongation @ 73°F, %	D 2370	148	100 min
Permeance, perms	D 1653	17.3	50 max
Water Swelling, Mass %	D 471	6.4	20 max
Wet Adhesion to galvanized metal, pli	C 794/D 903	7.3	2.0 min
Wet Adhesion to TPO Substrate, pli	C 794/D 903	5.7	2.0 min
Wet Adhesion to PVC Substrate, pli	C 794/D 903	5.5	2.0 min
Wet Adhesion to EPDM Substrate (Cleaned with A 151), pli	C 794/D 903	2.0	2.0 min
Wet Adhesion to Spray Polyurethane Foam Roofing Substrate, pli	C 794/D 903	3.1	2.0 min
Wet Adhesion to SBS, pli	C 794/D 903	4.9	2.0 min
Wet Adhesion to BUR, pli	C 794/D 903	2.0	2.0 min
Wet Adhesion to Concrete, pli	C 794/D 903	4.3	2.0 min
Wet Adhesion to Hypalon, pli	C 794/D 903	5.7	2.0 min
Tear Resistance (Die C), lbf/in	D 624	73.7	>60
Fungi Resistance, rating	G 21	0	0 max
<b>Film Properties after 1000 Hrs Accelerated Weathering (Table 2)</b>			
Elongation @ 73°F, %	D 2370	100	100 min
Low Temperature Flex, 1/2" mandrel, -15°F	D 522	Pass	Pass
Appearance after 1000 hrs accelerated weathering	D 4798	Pass	No Cracking or Checking

MHP-005-02-01REV

PRI Accreditations: IAS-ES TL-189; State of Florida TST 1556; Metro-Dade 03-0515.04; CRRC

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**Federal Specification TT-C-555B, Section 4.4.7: Wind Driven Rain Resistance**

Property	Federal Test Method	Result	TT-C-555B: Section 4.4.7 Requirement
Resistance to Wind Driven Rain	TT-C-555B	Pass	Pass
Weight gain of block, lb	TT-C-555B	0.0	<0.2

**FBC (HVHZ) TAS 114(H), Section 2: Delamination Test**

Material	Result (Adhesion of Coating) Maximum Load, lbf				
	1	2	3	Avg.	SD
Specimen Substrate					
SBS Modified Bitumen	1224	1474	1503	1400	153.4
BUR	Plywood Failure	1103	1047	1075	39.4
TPO Single Ply	1507	1507	1508	1507	0.4
PVC Single Ply	Plywood Failure	15.9	15.1	15.5	5.6
EPDM Single Ply	704	712	1505	975	460.2
Spray Polyurethane Foam Roofing	802	924	834	853	63.3
Concrete	594	994	1297	962	352.6
Hypalon	1336	1280	1503	1373	115.8

**Statement of Compliance:**

This product complies with all of the requirements of the Florida Building Code (HVHZ) Testing Application Standard TAS 110-2000, Section 7: Coatings using ASTM D 6083, *Standard Specification for Liquid Applied Acrylic Coating Used in Roofing*, Section 1523.6.2.1.1 for spray applied polyurethane foam coating and 1523.6.3 for liquid applied roofing membrane systems including the requirements of Federal Specification TT-C-555B, Section 3.3.3: Resistance to Wind-Driven Rain. The coating was further tested for adhesion to substrates listed using FBC (HVHZ) Test Protocol TAS 114-95, Appendix H, *Test Procedures for Small Scale QC and Physical Properties of Approved Roof System Assemblies*, Section 2: Delamination Test.

Limitations of use: the coating may be applied to SBS Modified Bitumen, built-up roofing (BUR), TPO, PVC, EPDM Single Ply, Spray Polyurethane Foam Roofing (SPUF), spray polyurethane foam, metal, Hypalon and concrete roofing only.

Signed: Donald C. Portfolio  
 Donald C. Portfolio  
 Vice - President

Signed: Charles L. Thomas  
 Charles L. Thomas  
 Florida Registered Professional Engineer  
 P. E. Number: 29439

Date: 4/10/05

Date: 4/8/05

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