

# Technical Service Report

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<b>Abstract:</b>	Analysis of one roof coating per ASTM D6083
<b>Samples:</b>	10 liters labeled as Extreme Low Temp (-40°C) Roof Coating (MTI-081284) Received 12-11-08.

## Test Results:

Procedure	ASTM	Req.	Result	Pass/Fail
Stormer Viscosity	D562	85 -141 KU	134.0 KU	Pass
Brookfield LVT Viscosity	D2196	12,000 – 85,000 cPs	74,933 cPs	Pass
Volume Solids	D2697	>50%	50.23%	Pass
Weight Solids	D1644	>60%	61.61%	Pass
Initial Tensile Strength @ 77°F	D2370	>200 psi	293.9 psi	Pass
Initial Percent Elongation @ 77°F	D2370	>100%	260.74%	Pass
Final Elongation after Weathering @ 77°F	D2370	>100%	204.96%	Pass
Permeance	D1653	<50 perms	24.23 perms	Pass
Water Swelling	D471	<20%	19.5112 %	Pass
Adhesion to Concrete	D903	>2 pli	5.958 pli	Pass
Adhesion to Galvanized Steel	D903	>2pli	3.561 pli	Pass
Fungi Resistance	G21	0 Rating	0 Rating	Pass
Tear Resistance	D624	>60 lbf/in	72.27 lbf/in	Pass
Xenon Arc Weathering (1000 Hours)	D4798	No Cracking	Pass	Pass
Low Temperature Flex after Weathering @ -26°C	D522	Pass ½" mandrel	Pass	Pass
Initial Tensile Strength @ -37°C	D2370	None	2890.1 psi	n/a
Initial Percent Elongation @ -37°C	D2370	None	22.65%	n/a
Low temperature Flex at -37°C	D522	None	0 Cracked	n/a
Initial Tensile Strength @ -40°C	D2370	None	2314.1 psi	n/a
Initial Percent Elongation @ -40°C	D2370	None	19.2%	n/a
Low Temperature Flex @ -40°C	D522	None	2 out of 5 Cracked	n/a

<b>Conclusion:</b>	Extreme Low Temp (-40°C) Roof Coating meets all of ASTM D 6083 requirements with the inclusion of adhesion to concrete and galvanized steel.
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If you should have any questions or require any additional information, please call us at 330/896-5900.

Tested by,



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Verified by,



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