

Engineering Technical Bulletin

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MasterLine 16 Air Leakage and Water Penetration Test Data

PRODUCT

MBCI MasterLine 16 Panel with ¼" diameter bead of SM 5430 non-skinning butyl in sidelap.

TEST PROCEDURES

1. ASTM E 283-04(2012): Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors
2. ASTM E 331-00(2012): Standard Test Method for Water Penetration Through Exterior Windows, Curtain Walls, and Doors

TEST RESULTS

Both tests were conducted with a uniform static air pressure listed below.

Water Penetration Test Results: No uncontrollable water leakage at 20.00 PSF when five gallons Per hour of water were sprayed per square foot of roof area.

The following is the test summary report.

SUMMARY

Profile	ASTM E 283-04 Air Leakage		ASTM E 331-00 Water Penetration	
	Pressure Differential	Leakage Rate	Pressure Differential	Infiltration Rate
MasterLine 16 Panel	6.24 PSF	0.002 CFM/ sq. ft.	20.00 PSF	None
	12.00 PSF	0.003 CFM/sq. ft.		

Copies of the independent laboratory test reports are available upon request.

Test Report 07-0201T-14, Dated 9/30/14