Sure Cavity Testing Results Summary

Test	Criteria & Standard	Sure Cavity	10mm Sure Cavity
UV Exposure (Accelerated)	ICC EG356, ICC AC48 Accelerated Weathering	9 weeks/630 light hours - No peeling, chipping, cracking, flaking, pitting, crazing, erosion, or other deleterious effects were observed under a 5x magnification	
Fungi Resistance	ASTM C 1338	Aspergillus niger ATCC # 9642 - No growth Aspergillus versicolor ATCC # 11730 - No growth Aspergillus flavus ATCC # 9643 - No growth Chaetomium globosum ATCC # 6205 - No growth Penicillium pinophilum ATCC # 11797 - No growth	
Water Vapor Transmission	ASTM E 96-05 (ASTM E 96-00e01)	Avg. WVT: 9.6 Avg. Permeance: 23.45 Avg. Permeability: 8.79	Avg. WVT: 4.14 Avg. Permeance: 10.12 Avg. Permeability: 4.47
Funnel Testing of Wall Systems	ASTM E 2273, ICC EG356	Pass Water Collected: 97.5% with MTI Wall Opening Weeps	Pass Water Collected: 97.3% with MTI L+R Weep Screed
Compression	ASTM D 1621 Compression	Avg. Load at 10% Strain: 583 lbf Avg. Stress at 10% Strain: 36.1 psi Avg. Modulus: 362 psi	Avg. Load at 10% Strain: 278 lbf Avg. Stress at 10% Strain: 7.4 psi Avg. Modulus: 125 psi Avg. Peak Load: 585 lbf

Full testing data available upon request

Test	Criteria & Standard	Sure Cavity	10mm Sure Cavity
Physical Properties	Thickness	0.77mm	0.8mm
	Weight	860 g/m^2	968 g/m^2
	Dynamic Impact Load	Passed 14 of 15 trials (93%)	Passed 14 of 15 trials (93%)
	Static Puncturing	Passed 6 of 6 trials	Passed 6 of 6 trials
	Low Temperature Flexibility	No cracking	No Cracking
	Water Immersion[1]	0% Dimensional change 0% Weight change	0% Dimensional change 0% Weight change
	Heat Aging[1]	0% Dimensional change 0% Weight change	0% Dimensional change 0% Weight change
	Ammonium Chloride Exposure	No visible deterioration	No visible deterioration
	Sodium Sulfate Exposure	No visible deterioration	No visible deterioration
	Tensile Strength[1], % of original	Machine Direction 14% Cross-Machine Direction 13%	Machine Direction 14% Cross-Machine Direction 13%
	Elongation[1], % of original	Machine Direction 59% Cross-Machine Direction 49%	Machine Direction 59% Cross-Machine Direction 49%

[1] Tests were conducted on flat material with no crimping or perforations

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Additional testing information

Funnel Testing of Wall Systems – Comparative

Panel	Time to stop draining	Observations
No drainage mat	>3 hr 30 mn	Wall did not drain but absorbed the water. After 3 ½ hours still wet as water bleeds through scratch coat
Sure Cavity	1 mn 40 sec	Dripping stopped and wall starting to dry
Sure Cavity with Wall Opening Weeps	2 mn 45 sec	Dripping stopped and wall starting to dry
10mm Sure Cavity	5 mn	Dripping stopped and wall starting to dry
10mm Sure Cavity with Wall Opening Weeps	2 mn 30 sec	Dripping stopped and wall starting to dry

Restricted Funnel Wall Test

Panel	Time to stop draining	Observations
No drainage mat	25 mn	Dripping stopped top of Wall starting to dry, some water bled through scratch coat. Collected 1.580 Kg of water
Sure Cavity	8 mn 30 sec	Dripping stopped and collected 4.896 Kg of water. Some water missed the collection pan
Sure Cavity with Wall Opening Weeps	2 mn 45 sec	Dripping stopped and collected 5.668 Kg of water. Some water missed the collection pan
10mm Sure Cavity	5 mn 20 sec	Dripping stopped and collected 6.389 Kg of water.
10mm Sure Cavity with Wall Opening Weeps	8 mn 40 sec	Dripping stopped and collected 6.233 Kg of water.

Full testing data available upon request