



SLICKER® CLASSIC

PHYSICAL PROPERTIES DATA SHEET

Properties	Test	Test Standard	HomeSlicker™ Performance		
			English	Metric	Failure Mode
Thickness and Density	Thickness	ASTM C167-98	0.25 inches	6.35 mm	
	Density		2.24 pounds/cubic foot	35.63 Kg/cubic meters	
Compression	Displacement at 10% Strain	ASTM C165-00	0.025 inches	.64 mm	
	Load at 10% Strain		178 pounds	792 N	
	Stress @ 10% Strain		697 pounds per square foot	33.358 kPa	
	Original Strength	ASTM D6364		27.3 kPa	
	Compression Strength			Value at Yield Point: 27.3 kPa Value at 10% Strain: 20.1 kPa	
	Compressive Strength of Weathered Samples		0.5% increase over control sample		
Product Strength	Tear Strength Length Direction	ASTM D4533	15 pounds	66.72 N	
	Tear Strength Width Direction		18 pounds	80.07 N	
	Tensile Strength Length Direction	ASTM D4632	26 pounds	115.65 N	
	Tensile Strength Width Direction		32 pounds	142.34 N	
Effect of Cold Weather	Cold Crack Resistance	Fed Std. 191A Method 5874	20 degrees F - No Cracking Observed	- 6.7 degrees C No Cracking Observed	
	Freeze/Thaw	CGSB 51.33 Section 8.3.2.1		Value at Yield Point: 27.0 kPa	
				Retention of Original: 99.1% Value at 10% Strain: 19.9 kPa	

				Retention of Original at 10% Strain: 98.9%	
Fire and Heat Resistance	Flame Spread Index	ASTM E84	15		
	Smoke Development		50		
	Heat Resistance R-Value		0.12 m ² *K/W	0.68 °F*ft ² *hr/BTU	
	Heat Exposure	ASTM D3045 for 90 days		Value at Yield Point: 29.2 kPa Retention of Original: 107.0% Value at 10% Strain: 21.8 kPa Retention of Original at 10% Strain: 108.5%	
Drainage	Transmissivity	ASTM D4716	16.73 gallons per minute per foot	207.83 liters per minute per meter	
	Efficiency	ASTM E2273	93.10%		
	Water Exposure	ASTM D5322		Value at Yield Point: 26.9 kPa Retention of Original: 98.7% Value at 10% Strain: 19.32 kPa Retention of Original at 10% Strain: 96%	
Air Flow	Per Square Foot of Cladding		0.017 cubic feet per minute	(under 1 Pascal pressure difference over height of cavity)	
	Per 2400 Square Feet of Cladding		40.8 cubic feet per minute	(under 1 Pascal pressure difference over height of cavity)	
Wind Load	Average Negative Failure Load		282.6 psf	13.53 kPa	Studs cracked. OSB failed. HomeSlicker and siding intact
	Average Positive Failure Load		181.7 psf	8.70 kPa	Studs cracked
UV and Accelerated Aging	Tear Strength of Weathered Samples		16% decrease over control sample		
	UV	ASTM G154		Value at Yield Point: 28.2 kPa	