

EASY ROCK

CANADA

The Evolution of Stone

Physical Properties*

Std. Density**12-14 lbs**
 Compressive Strength.....**689 psi**
 Tensile Strength.....**470 psi**
 Elastic Modulus.....**17180 psi**
 Flexural Strength.....**603 psi**
 Flexural Modulus.....**31,000 psi**
 Insulation.....**R-4.5/in**



Tested by  amerchem

Specification	Test Description	Acceptance Criteria	Results	Benefit
ASTM G155	UV Weathering (2000 hr)	No surface deformation visible under 5X magnification	Pass	Meets requirements for sun exposure over 20 years
ASTM C666	Freeze - Thaw (20 days)	No surface deformation visible under 5X magnification	Pass	Excellent performance in cold climates and through temperature changes
ASTM B117	Salt Spray (300 hr)	No cracking, checking, crazing, erosion or delaminating	Pass	Excellent performance where salt is used in winter, and in coastal regions
ASTM E90	Sound Transmission Loss	Provide sound absorption equal to rough finish poured concrete	Pass	Excellent exterior material to reduce sound transmission
ASTM D1037	Flexural Strength and Fastener Pull Out	At least 60% of strength for freeze-thaw and wet specimens	Pass	Maintains excellent adherence on structures that may be subjected to cold / wet weather conditions
ASTM E330	Structural Performance (with & without substrate)	Minimum 17.2 lbf/sf (90 mph wind)	Pass	Withstands strong winds up to 90 mph
ASTM C297	Bond Strength	Average ultimate flat wise stress for a specimen should be at least 10 psi	Pass	Maintains product integrity under extreme environmental conditions
ASTM D4226	Falling Dart Impact	60 in. per lb	Pass	Provides excellent impact resistance
ASTM D790	Flex Modulus	12,000 PSI	Pass	Provides excellent impact resistance
ASTM D638	Tensile Strength and Ultimate Elongation	29 Shore D	Pass	Maintains integrity in shape when subjected to pull forces
ASTM D696	Coefficient of Linear Thermal Expansion	Not greater than 4.5×10^{-5}	Pass	Maintains integrity in shape when subjected to heat and thermal cycling
ASTM D3769	Heat Shrinkage	Shrinkage under heat <3%	Pass	Maintains integrity in shape when subjected to heat and thermal cycling
ASTM C1363	Thermal Performance of Building Materials	R Value = 4.5 / in.	Pass	Enhanced insulation properties of structure

The Beauty of Stone Without the Mason