

# LITECORE™

BY 3D STONE INC.®

Certification	Test description	Status	Notes	Date of Test
ASTM C97 Full Limestone	Absorption and Density	Good	2.9 % Absorption, 143.29 Density	8/15/2018
ASTM C97 Litecore Panel	Absorption and Density	Excellent	3.4 % Absorption, 64.21 Density	8/15/2018
ASTM C99	Modulus of Rupture Dry	Excellent	Flexural Strength 2,644 psi	8/15/2018
ASTM C99	Modulus of Rupture Wet	Excellent	Flexural Strength 3,429 psi	8/15/2018
ASTM C170	Compressive Strength	Excellent	12,100 psi dry, 11,500 psi wet	5/15/2018
ASTM C554	Thermal Shock	Excellent	No deleterious effects	8/15/2018
ASTM C568	Performance Evaluation	Class II	Satisfies Class II Limestone Requirements	8/15/2018
ASTM C666	Durability/Freeze-Thaw	Excellent	No deleterious effects	8/15/2018
ASTM C880	Flexural Strength	Excellent	Mean 1,369 psi crosswise, Mean 1,908 machine direction	8/15/2018
ASTM C1185, Section 5	Control Flexural Eval. Dry	Excellent	Mean Flexural Strength 3,662 psi (Grade IV)	8/15/2018
ASTM C1185, Section 12	Control Flexural Eval. Dry	Excellent	Mean Flexural Strength 3,662 psi (Grade IV)	8/15/2018
ASTM C1186	Control Flexural Eval. Dry	Excellent	Mean Flexural Strength 3,662 psi (Grade IV)	8/15/2018
ASTM C1186	Control Flexural Eval. Wet	Excellent	Mean Flexural Strength 3,828 psi (Grade IV)	8/15/2018
ASTM C1186 Crosswise	Control Flexural Eval. Dry	Excellent	Mean Flexural Strength 2,688 psi (Grade III)	8/15/2018
ASTM C1186 Crosswise	Control Flexural Eval. Wet	Excellent	Mean Flexural Strength 2,328 psi (Grade III)	8/15/2018
ASTM C1354	Anchorage System	Excellent	660.9 lb dry, 552.9 lb wet	8/15/2018
ASTM C1781	Drum Peel	Pass	374.9 Drum Peel Load average	
ASTM E84- 18	Surface Burning Characteristics	Class A	0 flame spread index, 10 smoke development index	

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NFPA 285	Fire Propagation	Passed	30 minute burn period, 10 minute observation	6/19/2020
ASTM B117	Salt Spray Apparatus	Passed		
ASTM C297, C297M-04	Flatwise Tensile Strength - Sandwich, Freeze Thaw	437 psi, 415 psi		9/1/2009
ASTM E84-9	Surface Burn, Flame Spread, Smoke Development	Class A		
ASTM E330-14	Uniform Static Air Pressure	Passed	negative 300 psf, no damage or deviations observed.	3/31/2020
ASTM E488-10	Shear Strength of T-Nut	Passed	1,886 lbs. Mean	6/24/2014
ASTM E488-10	Tension Strength of T-Nut	Passed	1,212 lbs. Mean load	6/24/2014
ASTM E1886-14	Missile Impact	Passed	Equivalency ASTM E1886-17	6/19/2015
ASTM E1996-14	Missile Impact	Passed	Equivalency ASTM E1996-17	6/19/2015
NFPA 259-08	Potential Heat - Limestone	831 Btu, 1932 Kj		
TAS 201-94	Large Missile Impact per FBC	Passed		6/19/2015
TAS 202-94	Air Infiltration Test per FBC	Passed		6/19/2015
TAS 203-94	Cyclic Wind Pressure Load per FBC	Passed		6/19/2015
Accelerated Weathering	Accelerated Weathering	Passed		
HVHZ	High Velocity Hurricane Zone	Miami Dade NOA	Accepted	
Miami Dade NOA	HVHZ	Pass	TAS 202-94, TAS 201-94, TAS 203-94	8/20/2015