FRAMECRETE

SPECIFICATION SHEET

FRAMECRETE CLADDING IS A RESIDENTIAL AND COMMERCIAL PANEL FOR EXTERIOR WALLS

It's a **light prefabricated concrete**, with a steel mesh inside and a super **smooth exterior finish.** Such panels are installed applying adhesive mortar between mating faces and fasteners to attach the panels to a standard wood or steel frame.

SPECS

PARAMETERS	UNITS	VALUES
Compressive Strength	psi	580
Nominal Density	lb/ft3	30.4
Real Density	lb/ft3	33.4
Dry Shrinkage	%	0.02
Thermal Conductivity	BTU in/h ft²°F	0.839
R Value	h ft2 °F/BTU	2.3
Permeability (μ)	US Perms	6.58
Moisture Absorption	Wt%	7.61
Water Absorption	Wt%	22.4
Elastic Modulus	ksi	326.9
Acoustic Insulation (2")	STC	28

WORKFORCE PERFORMANCE

PRODUCT PLACEMENT	PERFORMANCE
Cladding	700 ft²/workday

Work force: mason and assistant.

TESTS

PARAMETERS	RECORDED MEASUREMENT	RESULTS
Air infiltration[1]	0.3 L/s/m²	Pass
Water intrusion[1]	No leakage	Pass
Uniform load structural[1]	±50 psf	Pass
Shear wall resistance[2]	475 lb x ft²	Pass
Fire Resistance (UL Certified)	1.5 Hours	Pass

NOTES:

1. Testing was conducted in accordance with the methods designated in Testing Application Standard (TAS) 202-95 Impact & Nonimpact Resistance Building Envelope Components using Uniform Static Air Pressure, and ASTM E330/E330M-14 Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.

2. Testing was completed as described in ASTM E564-06(2018) Standard Practice for Static Load Test for Shear Resistance of Framed Walls for Buildings.

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CLADDING

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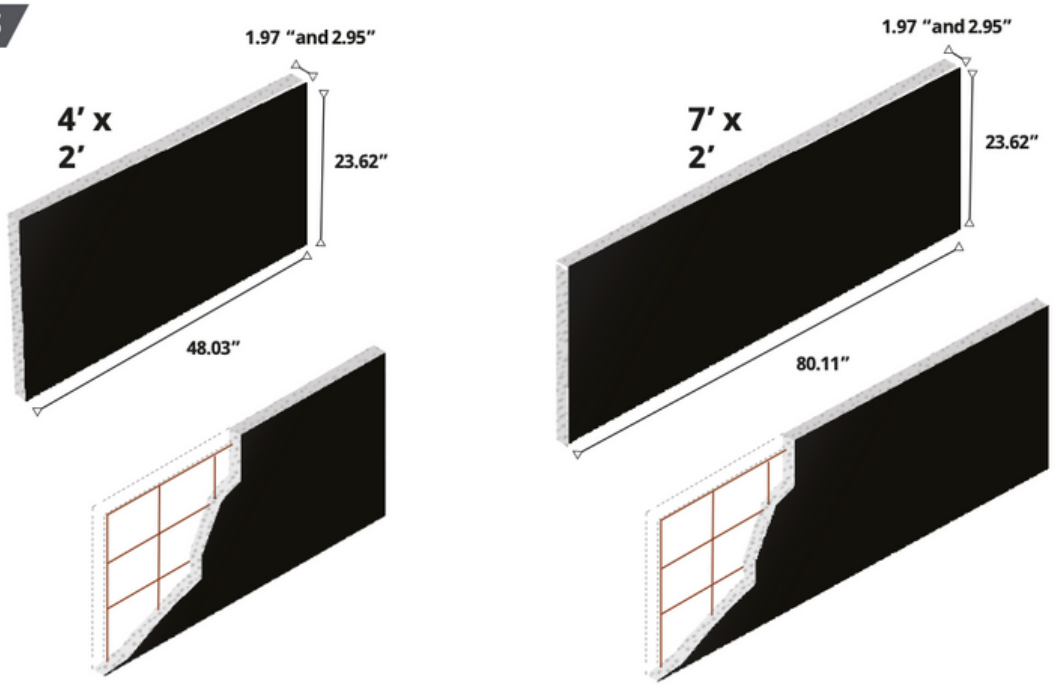
DIMENSIONS



MEASUREMENTS

THICKNESS (in)	HEIGHT (in)	LENGTH (in)	AREA (ft^2)	WEIGHT x PIECE (lb)	WEIGHT x FT^2 (lb)
1.97	23.62	48.03	7.88	40.34	5.12
1.97	23.62	80.11	13.14	67.27	5.12
1.97	23.62	96.06	15.75	80.64	5.12
2.95	23.62	48.03	7.88	60.43	7.67
2.95	23.62	80.11	13.14	100.78	7.67

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