



AIRCRETE 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/ft ³	30.4
Real Density	lb/ft ³	33.4
Dry Shrinkage	%	0.02
Thermal Conductivity	BTU in/h ft ² °F	0.839
R Value	h ft ² °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 ft ² /workday

Work force: mason and assistant.

TESTS

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

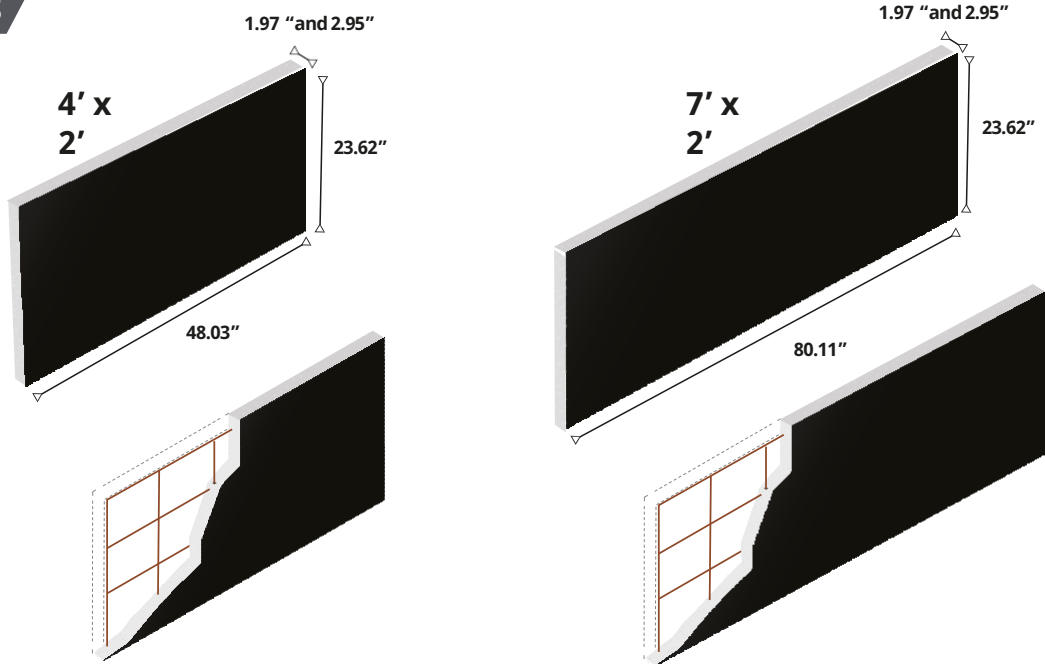
NOTES:

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



CLADDING

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