

CB CONFINED MASONRY BLOCK

CONFINED MASONRY BLOCK 24" x 8" IS USED TO BUILD CONFINED MASONRY WALLS, REINFORCED WITH VERTICAL AND HORIZONTAL CONFINING ELEMENTS (TIE COLUMNS AND BOND BEAMS).

Due to its dimensions and finish, it helps to have better performance on site.



DATA SHEET

SPECS

PARAMETERS	UNITS	AAC-4	AAC-5	AAC-6
Nominal Density	lb/ft ³	31.2	37.2	39.9
Real Density	lb/ft ³	37.4	44.7	47.8
Compressive Strength (min)	psi	590	725	870
Thermal Conductivity	BTU-in/ft ² h°F	0.798	0.992	1.07
Permeability	US Perm	0.13	0.11	0.07
Moisture Adsorption	% weight	7.61	6.31	3.9



WORKFORCE PERFORMANCE

PRODUCT PLACEMENT	PERFORMANCE
Bearing wall & Partition wall	129 ft ² /workday

Squad: Officer and assistant.

STRUCTURAL PROPERTIES

CONCEPT	UNITS	ACC-4	ACC-6
Design compressive strength of masonry	(PSI)	398	435
Design resistant shear stress (V*m)	(PSI)	57	92
Compressive strength of cubes for piles at 28 days	(PSI)	1920	2503
Compressive strength of cubes for walls at 28 days	(PSI)	1949	2532

DIMENSIONS

THICKNESS e (in)	DESIGN WEIGHT			PIECE WEIGHT			CONTENT PER PALLET		
	AAC-4 lb/ft ²	AAC-5 lb/ft ²	AAC-6 lb/ft ²	AAC-4 lb/pc	AAC-5 lb/pc	AAC-6 lb/pc	ft ³ x pallet	ft ² x pallet	pcs x pallet
4	12.28	14.66	15.69	15.9	18.9	20.3	76.3	232.5	180
5	15.22	18.02	18.92	19.7	23.3	24.4	76.3	186	144
6	18.27	21.62	22.70	23.6	27.9	29.3	76.3	155	120
7	21.31	25.23	26.49	27.5	32.6	34.2	71.2	124	96
8	24.36	28.83	30.27	31.5	37.2	39.1	71.2	108.5	84
10	30.45	36.04	37.84	39.3	46.5	48.9	76.3	93	72
12	36.54	43.24	45.40	47.2	55.9	58.6	76.3	77.5	60

