

# 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 <sup>3</sup>	31.2	37.2	39.9
Real Density	lb/ft <sup>3</sup>	37.4	44.7	39.2
Compressive Strength (min)	psi	590	725	930
Thermal Conductivity	BTU·in/ft <sup>2</sup> 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
Elastic Modulus	ksi	326.9	-	235.5



## WORKFORCE PERFORMANCE

PRODUCT PLACEMENT	PERFORMANCE
Bearing wall & Partition wall	129 ft <sup>2</sup> /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 <sup>2</sup>	AAC-5 lb/ft <sup>2</sup>	AAC-6 lb/ft <sup>2</sup>	AAC-4 lb/pc	AAC-5 lb/pc	AAC-6 lb/pc	ft <sup>3</sup> x pallet	ft <sup>2</sup> 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

