

# M B MODULAR BLOCK

## MODULAR BLOCK 24"x16" IS USED TO BUILD NON-BEARING DIVIDER WALLS.

Each piece is placed in a traditional way, joined with adhesive mortar, with a higher performance due to its size.

They are built separated from the main structure with the intent of NOT providing stiffness and resistance to lateral and vertical loads.

Its perimeter fixation is with polyurethane foam and mechanical anchoring on the upper part in order to support the actions for its own stability.



### 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	47.8
Compressive Strength (min)	psi	580	725	870
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



### WORKFORCE PERFORMANCE

PRODUCT PLACEMENT	PERFORMANCE
Partition wall	323 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 palle t	ft <sup>3</sup> x palle t	ft <sup>3</sup> x palle t
4	12.28	14.66	15.69	31.7	37.9	40.5	76.3	232.5	90
5	15.22	18.02	18.92	33.0	47.3	50.7	76.3	186.0	72
6	18.27	21.62	22.70	39.7	56.8	60.8	76.3	155.0	60
7	21.31	25.23	26.49	46.3	66.3	70.9	71.2	124.0	48
8	24.36	28.83	30.27	52.9	75.8	81.1	71.2	108.5	42
10	30.45	36.04	37.84	66.1	94.7	101.3	76.3	93.0	36
12	36.54	43.24	45.40	79.3	113.6	121.6	76.3	77.5	30

