



Technical Data Sheet

8" Concrete Masonry Units (CMU)

Identification

Trade Name: 8 Inch Block **Synonyms:** 8 Inch Construction Block, Bloque de 8"

Uses

The concrete block is a very common building material for house constructions, concrete foundation wall and slabs with a concrete block wall perimeter.

Composition

Made from cast concrete Portland cement and aggregates, usually sand and fine gravel for high-density blocks, with additives or without additives. This CMU equivalent thickness of 4.04 inches and base on its aggregates (limestone) has a fire resistance rate of two hours.

Dimension

Concrete blocks may be produced with hollow centers to reduce weight or improve insulation, 8in by 8in by 16in actual size is usually about $\frac{3}{8}$ in (9.5 mm) smaller to allow for mortar joints. Block cores are typically tapered so that the top surface of the block has a greater surface on which to spread a mortar bed. The units might show two, three or four core opening, although three cores are the most common configuration.

Compliance

The concrete masonry unit testing laboratory performing is evaluated in accordance with practice ASTM C 140.

Sample No.	Weight [Lbs]	Measurements [Inches]						Compressive Strength [Lbs]	
		Length		Height		Width		Lbs	Psi
		@ Face 1	@ Face 2	@ Face 1	@ Face 2	@ Top	@ Bottom		
1	35.04	15.685	15.685	7.400	7.400	7.565	7.562	93,800	1,487
2	34.85	15.685	15.685	7.400	7.400	7.565	7.562	92,950	1,473
3	34.56	15.685	15.685	7.400	7.400	7.565	7.562	93,150	1,476

ECOLOGICA CARMELO, INC.

Sustainable Building Materials and Technologies

PO BOX 1052 Sabana Seca, PR 00952-1052 / T. 787.251.9474 / F.787.251.5494 / info@carmelo.com / www.carmelo.com