



4700 Annapolis Road, Bladensburg Maryland, 20740 -301-927-8300

**EMCO CONCRETE MASONRY UNITS
COMPLYING WITH
INTERNATIONAL BUILDING CODE 2003
EQUIVALENT THICKNESS TABLE 6.0 - TEK NOTE 7.1
2005 SUPPLEMENT**

FIRE RESISTANCE	NOMINAL SIZE	ASTM	SOLID MATERIALS	EQUIVALENT THICKNESS
1/2 Hour	2x8x16	C-145	100%	1.9 Inches
	3x8x16*	C-90	73%	1.9 Inches
3/4 Hour	4x8x16	C-90	65%	2.4 Inches
	3x8x16	C-145	100%	2.6 Inches
1 Hour	4x8x16	C-90	73%	2.7 Inches
	4x8x12	C-90	73%	2.7 Inches
	4x8x16*	C-145	78%	2.8 Inches
1-1/2 Hour	6x8x16	C-90	54%	3.0 Inches
	8x8x16 Normal Weight	C-90	50%	3.8 Inches
2 Hour	2-1/4x3-3/4x8**	C-55	100%	3.6 Inches
	4x8x16	C-145	100%	3.6 Inches
	4x8x12	C-145	100%	3.6 Inches
	8x8x24***	C-90	52%	3.7 Inches
	6x8x16***	C-90	64%	3.6 Inches
	8x8x16 Lightweight***	C-90	50%	3.8 Inches
3 Hour	8x8x16	C-90	63%	4.8 Inches
	10x8x16	C-90	50%	4.8 Inches
4 Hour	8x8x16	C-145	75%	5.7 Inches
	8x8x12	C-145	75%	5.7 Inches
	12x8x12***	C-90	55%	5.4 Inches
	12x8x16	C-90	50%	5.6 Inches
	6x8x16	C-145	100%	5.6 Inches
	8x8x12	C-145	100%	7.6 Inches
	8x8x16	C-145	100%	7.6 Inches

* BMS 92 - National Bureau Standard

** Concrete Brick

Primary Aggregates - Expanded Shale and/or Pumice

Above Blocks Plastered on One Side with 1/2 inch 1:3 Gypsum and Sand Plaster adds 1/2 Hour to Fire Rating