

TECHNICAL DATA #2

RATED FIRE RESISTANCE

EQUIVALENT THICKNESS FOR FIRE RESISTANCE

Type of Coarse Aggregate:	MINIMUM EQUIVALENT THICKNESS FOR RATINGS OF:			
	4 Hours	3 Hours	2 Hours	1 Hour
Expanded Shale (Lightweight)	5.7"	4.8"	3.8"	2.6"
Limestone (Regular Weight)	5.9"	5.0"	4.0"	2.7"

FIRE RESISTANCE IN HOURS

Block Size Inches	Face Shell Thickness	Web Thickness	Number Of Cores	Percent Solid	Equivalent Thickness (Inches)	Fire Resistive Rating In Hours	
						Std.Wgt.	Lt.Wgt.
4x8x16	1"	1"	3	74	2.7	1	1
4x8x16	Solid	-	-	100	3.6	1	1
6x8x16	1"	1"	2	56	3.1	1	1
6x8x16	1 7/8"	1"	2	80	4.5	2	2
6x8x16	Solid	-	-	100	5.6	3	3
8x8x16	1 1/4"	1"	2	53	4.0	2	2
8x8x16	2 1/2"	1 1/2"	2	79	6.0	4	4
8x8x16	Solid	-	-	100	7.6	4	4
10x8x16	1 1/2"	1 1/8"	2	52	5.0	3	3
12x8x16	1 1/2"	1 1/4"	2	49	5.7	3	4
12x8x16	3 3/4"	2"	2	79	9.1	4	4

GROUTING

3 - Core 4X8X16 (74% Solid)

.04 Cu. Ft. to fill one Core
1 Cu. Yd. of Grout fills 772 Block one Core

2 - Core 6x8x16 (56% Solid)

.09 Cu. Ft. to fill one Core
1 Cu. Yd. of Grout fills 300 Block one Core

2 - Core 8x8x16 (53% Solid)

.13 Cu. Ft. to fill one Core
1 Cu. Yd. of Grout fills 200 Block one Core

2 - Core 10x8x16 (52% Solid)

.17 Cu. Ft. to fill one Core
1 Cu. Yd. of Grout fills 158 Block one Core

2 - Core 12x8x16 (49% Solid)

.22 Cu. Ft. to fill one Core
1 Cu. Yd. of Grout fills 122 Block one Core