

Fire Resistance Ratings



Fire resistance ratings are calculated from National Concrete Masonry Association TEK Report 7-1, Table 6.0 and/or American Concrete Institute 216.

These are the ratings for our most common CMUs. If you need a rating for a unit not shown on these charts, please email our Technical Services Manager at 800-543-3860.

Gray Block - *Normal Weight*

Unit size	Fire Resistance Rating (in hours)
4 x 8 x 16 hollow	0
4 x 8 x 16 solid	1
6 x 8 x 16 hollow	1
6 x 8 x 16 semi solid	2
8 x 8 x 16 hollow	2
8 x 8 x 16 hollow (3-hour fire rated)	3
8 x 8 x 16 semi solid	3
8 x 8 x 16 A-Block	1
8 x 8 x 16 Open End	1
10 x 8 x 16 hollow	2
10 x 8 x 16 semi solid	4
12 x 8 x 16 hollow	3
12 x 8 x 16 semi solid	4
12 x 8 x 16 Open End	2
14 x 8 x 16 hollow	3
16 x 8 x 16 Open End	3

Gray Block - *Lightweight*

Unit size	Fire Resistance Rating (in hours)
4 x 8 x 16 hollow	1
6 x 8 x 16 hollow	1
6 x 8 x 16 semi solid	2
8 x 8 x 16 hollow	2
8 x 8 x 16 hollow (3-hour fire rated)	3
8 x 8 x 16 semi solid	4
10 x 8 x 16 hollow	3
12 x 8 x 16 hollow	4
14 x 8 x 16 hollow	4
16 x 8 x 16 hollow	4

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Architectural Block - *Normal Weight*

Unit size	Fire Resistance Rating (in hours)
4 x 8 x 16 hollow split face	1
4 x 8 x 16 solid split face	1
6 x 8 x 16 hollow split face	2
8 x 8 x 16 hollow split face	2
8 x 8 x 16 hollow split face insulated (Hi-R)	2
10 x 8 x 16 hollow split face	2
12 x 8 x 16 hollow split face	3
12 x 8 x 16 hollow split face Control-Blok®	3
12 x 8 x 16 hollow split face insulated (Hi-R)	2

Architectural Block – *Ultralite® Lightweight*

Unit size	Fire Resistance Rating (in hours)
8 x 8 x 16 hollow split face	2
12 x 8 x 16 hollow split face	4