

Concrete masonry units as manufactured by General Shale Inc. have Fire-Resistance ratings as listed below. These ratings are based on equivalent thicknesses as required by the Standard Building Code – 1999 Edition, the BOCA National Building Code – 1999 Edition, and/or the International Building Code – 2012 Edition. These requirements are outlined in Table 709.3.1 (Minimum Equivalent Thickness of Loadbearing or Nonloadbearing Concrete Masonry Walls), of The Standard Building Code, Section 704.1.2 of the BOCA National Building Code, and Table 721.1(2) of the IBC- International Building Code.

Block	Equivalent Thickness	Fire Resistance Rating (Hours)
12" x 8" x 16" Bond Beam – Concrete Filled	11.63 in.	4
12" x 8" x 16" Corner –Breaker Sash	6.46 in.	4
12" x 8" x 16" Stretcher (Cinder or Limestone Aggregate)	5.64 in.	3.5
12" x 8" x 16" Stretcher (Expanded Clay or Shale Aggregate)	5.64 in.	4
12" x 8" x 16" Stretcher – Cores filled with vermiculite, perlite, expanded shale, clay, slate of slag aggregate	11.63 in.	4
8" x 8" x 16" Bond Beam – Concrete Filled	7.63 in.	4
8" x 8" x 16" Stretcher (Cinder or Limestone Aggregate)	3.91 in.	1.75
8" x 8" x 16" Stretcher (Expanded Clay or Shale Aggregate)	3.91 in.	2.25
8" x 8" x 16" Special Production 53% Solid	4.04 in.	2
8" x 8" x 16" Square End Stretcher	4.22 in.	2
8" x 8" x 16" Stretcher – Cores Filled with vermiculite, perlite, expanded shale, clay, concrete, slate, or slag aggregate	7.63 in.	4
6" x 8" x 16" Bond Beam – Concrete Filled	5.63 in.	3.5
6" x 8" x 16" Stretcher (Cinder or Limestone Aggregate)	3.16 in.	1.25
6" x 8" x 16" Stretcher (Expanded Clay or Shale Aggregate)	3.16 in.	1.25
6" x 8" x 16" Solid	5.63 in.	3.5
4" x 8" x 16" Solid	3.63 in.	1.5
4" x 8" x 16" Stretcher(Cinder or Limestone Aggregate)	2.73 in.	1
4" x 8" x 16" Stretcher (Expanded Clay or Shale Aggregate)	2.73 in.	1