

Fire Resistance Central Premix CMU BLOCK

Concrete block wall systems are unsurpassed in functioning as a barrier to contain the spread of fire. These systems effectively resist transmission of intense heat through the wall while also preventing the passage of flames and hot gases. The fire resistance rating period of concrete masonry elements is determined by testing, through a listing service or by calculation methods.

Testing of representative elements of the wall construction in accordance with standard fire test methods is usually measured by ASTM E 119, Standard Test Methods for Fire Tests of Building Construction and Materials.

Private listing services allow a designer to specify a fire rated assembly which has been previously classified. The listing service monitors materials and production to verify that the concrete masonry units are in compliance with appropriate standards.

Calculation methods determine fire resistance ratings based on physical and material properties of the concrete masonry unit, such as the equivalent thickness and aggregate types used in the manufacture of the concrete masonry units.

Amcor's LW blocks listed below have a 2 hour fire rating (determined by the calculation method).

8x8x16 Regular

10x8x16 Regular

12x8x16 Regular

Any of the above block when filled with grout, sand, pea gravel or other approved materials can provide a four hour rated wall

Amcor's 6x8x16 LW regulars have a one hour rating unfilled and a three hour rating when filled with materials shown above.