



FIRE RESISTIVITY OF AGGREGATE BLOCKS

Concrete is proven to have a high degree of fire resistance and, in the majority of applications, can be described as virtually fireproof. This excellent performance is due in the main to concrete's constituent materials (cement and aggregates) which, when chemically combined within concrete, form a material that is essentially inert and, importantly for fire safety design, has relatively poor thermal conductivity which enables concrete to act as an effective fire shield not only between adjacent spaces, but also to protect itself from fire damage. All of the concrete blocks in our range are non-combustible with zero spread of flame and are classed as category A1 in accordance with BS EN 13501-1.

The following tables (a – d) show the nominal fire resistance periods for our various block types. These figures have been assembled in accordance with BS 5628-3 and BS EN 1996-1-2.

Block mm	Loadbearing wall		Non-Loadbearing Wall	
	No Finish	Gyp plaster	No Finish	Gyp plaster
90	1 hours	2 hours	2 hours	4 hours
100	2 hours	4 hours	2 hours	6 hours
140	3 hours	4 hours	4 hours	6 hours

TABLE A

CCP BUILDING PRODUCTS
'LAY-LITE' & 'MODULITE'
PRODUCT GROUPS

Block mm	Loadbearing wall		Non-Loadbearing Wall	
	No Finish	Gyp plaster	No Finish	Gyp plaster
90	1 hours	2 hours	1.5 hours	3 hours
100	2 hours	4 hours	2 hours	4 hours
140	2 hours	4 hours	3 hours	6 hours

TABLE B

CCP BUILDING PRODUCTS
'CONSOLITE'
PRODUCT GROUP

Block mm	Non-Loadbearing wall	
	No Finish	Gyp plaster
100	2 hours	3 hours
140	3 hours	6 hours

TABLE C

CCP BUILDING PRODUCTS
'CELLULAR DENSE'
PRODUCT GROUP

Block mm	Loadbearing wall		Non-Loadbearing Wall	
	No Finish	Gyp Plaster	No Finish	Gyp Plaster
140	3 hours	4 hours	N/A	N/A
190	4 hours	4 hours	30 mins	1 hour
215	6 hours	6 hours	30 mins	2 hours

TABLE D

CCP BUILDING PRODUCTS
'HOLLOW DENSE'
PRODUCT GROUP

A non-load bearing wall is a wall that does not support any gravity loads from the building, hence doesn't bear any weight besides its own.

A load bearing wall is a wall that bears some of the building's weight in addition to its own weight.

Gyp Plaster - Allows for a coat of 13mm coat of Gypsum Plaster applied to BOTH faces of erected block