

Fire resistance (in hours) for H+H aircrete block walls

TSD 01



		Block thickness (mm)					
		75	100	140	150	200	215
Solar (Criteria)*							
Non-loadbearing	(EI)	-	4	4	4	4	4
Loadbearing	(REI)	-	1	2	4	4	4
Standard							
Non-loadbearing	(EI)	3	4	4	4	4	4
Loadbearing	(REI)	-	2	3	4	4	4
High Strength							
Non-loadbearing	(EI)	-	4	4	4	4	4
Loadbearing	(REI)	-	2	3	4	4	4
Super Strength							
Non-loadbearing	(EI)	-	4	4	4	4	4
Loadbearing	(REI)	-	2	3	4	4	4

* BS EN 1996-1-2:2024 Clause 4.2 states that for standard fire exposure, masonry elements shall comply with the following functions defined in EN 1991-1-2:

(R) - loadbearing function: loadbearing capacity, mechanical resistance (R)
(EI) - separating function: integrity (E) and insulation (I)
(REI) - separating and loadbearing functions: (R), (E) and (I)

The above figures have been taken from the UK National Annex to BS EN 1996-1-2:2024, Tables NA.10 and NA.11. Loadbearing figures correspond to the maximum load utilisation factor $\mu_0 = 0.7$
BBA Certificate No 01/3816 confirms that all H+H blocks are non-combustible as defined in the national Building Regulations and have a reaction to fire of Class A1 to BS EN 13501-1

All thicknesses shown for comparison purposes, shaded boxes indicate currently non-stock sizes. Please consult H+H Sales Office 01732 886444 for availability of sizes.