

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

TSD 01



		Block thickness (mm)					
		75	100	140	150	200	215
<b>Solar</b> (Criteria)*							
Non-loadbearing	(EI)	-	4	4	4	4	4
Loadbearing	(REI)	-	1	2	4	4	4
<b>Standard</b>							
Non-loadbearing	(EI)	3	4	4	6	6	6
Loadbearing	(REI)	-	2	3	3	4	6
<b>High Strength</b>							
Non-loadbearing	(EI)	-	4	4	6	6	6
Loadbearing	(REI)	-	2	3	3	4	6
<b>Super Strength</b>							
Non-loadbearing	(EI)	-	4	4	6	6	6
Loadbearing	(REI)	-	2	3	3	4	6

\* BS EN 1996-1-2:2005 Clause 2.1.2 defines nominal fire exposure as...

(1)P For the standard fire exposure, members shall comply with criteria, R (mechanical resistance), E (integrity), I (insulation) and M (mechanical impact) as follows:

R - Loadbearing only criterion R

EI - Separating only criteria EI

REI - Separating and Loadbearing criteria REI

REI-M - Loadbearing, Separating and mechanical impact criteria REI-M

EI-M - Separating and mechanical impact criteria EI-M

The above figures have been taken from BS5628 Part 3:2005, Table 14 and BS EN 1996-1-2:2005 Tables NA.4.1 and NA.4.2

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 : 2002

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.