

Performance – FIRE RESISTANCE

Airtec blocks provide excellent fire resistance in accordance with the building codes and building regulations.

Airtec blocks have been independently tested to the very latest rigorous European Standards and have achieved the best possible resistance to fire rating of “CLASS A1” to BS EN 13501-1 : 2002 (superior to the former BS6073 ‘Class 0’ spread of flame rating).

Walls constructed from Airtec blocks comply with Building Regulations Approved Document B, Appendix A, Table A6.

Further guidance can be found in our BBA Certificate 06/4309



Airtec walls make ideal fire breaks in both loadbearing and non-loadbearing constructions.

A wall constructed of 100mm Airtec can provide up to 4 hours of fire resistance for a non-loadbearing wall and up to 2 hours protection for a loadbearing wall.

FIRE RESISTANCE PERIODS

The table below summarises fire resistance periods that can be expected with various Airtec constructions.

		Minimum AIRTEC Block Thickness Required (mm) for stated fire resistances					
Wall Type	Finish	6hrs	4hrs	3hrs	2hrs	1.5hrs	1hr
Loadbearing – Single Leaf	None	215mm	190mm	140mm	100mm	100mm	100mm
	Plaster	190mm	150mm	100mm	100mm	100mm	100mm
Loadbearing - Cavity	None	150mm	150mm	140mm	100mm	100mm	100mm
Non Loadbearing – Single Leaf	None	150mm	100mm	100mm	100mm	100mm	100mm
	Plaster	150mm	100mm	100mm	100mm	100mm	100mm
Non Loadbearing - Cavity	None	100mm	100mm	100mm	100mm	100mm	100mm

- The above figures apply to all Airtec grades, 2.9N, 3.6N and 7.3N
- These figures apply to both Traditional and Thin-Joint mortar constructions
- Wall ties and anchors must be non-combustible