

**DECLARATION OF PERFORMANCE
UKCA 02**



1. Product Type: **Airtec Standard Wall block**
2. Identification: **Product ID code is shown on delivery ticket**
3. Intended Use: **In walls, columns and partitions**
4. Manufacturer: **Thomas Armstrong (Holdings) Ltd Workington Rd, Flimby, Maryport, Cumbria. CA15 8RY**
5. Authorised Representative: **Not applicable**
6. AVCP: **System 2+**
7. Designated Standard: **BS EN 771-4 : 2011**
8. ETA: **British Board of Agrément, PO Box 195, Bucknalls Lane, Garston, Watford. WD25 7NG (NB 0836)**
9. Declared Performance:

Essential Characteristics	Performance	Designated technical specification
Dimensions	Length, mm	620
	Width, mm	Various - shown on the delivery documentation
	Height, mm	215
Dimensional Tolerance	TLMB (Flatness 1.0mm, Plane Parallelism 1.0mm)	
Configuration	Shape & features	NPD
	Group according to EN 1996-1-1 (EC6)	Group 1
Compressive strength	Mean compressive strength, N/mm ²	3.6 (⊥ bed face, whole unit) (Cat I)
	Direction of load	Perpendicular to bed faces
	Unit category	Category I
Dimensional stability	Moisture Movement, mm/m	0.4
Bond strength	Shear bond strength, N/mm ²	0.15 with GPLM 0.30 with TLM
	Flexural bond strength	NPD
Reaction to fire	A1 (Commission Decision 2000/605/EC)	
Water absorption, gm².s^{-0.5}	NPD	
Water vapour permeability	5/10 (tabulated value)	
Direct airborne sound insulation	Gross density, kg/m ³	530
	Configuration; dimensions & tolerances	See configuration
Thermal Conductivity, W/mK (λ_{10, dry}) ρ = 50%	0.10	Dry value - design values require correction for moisture content. See product literature.
Durability against freeze / thaw	For use below and above ground level	
Dangerous substances	See Note	
Note: Information on Dangerous Substances will only be given when and where required in the appropriate form. See Annex ZA of BS EN 771-4:2011		

10. The performance of the product identified in 1 and 2 is in conformity with the declared performance in 9.

This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in 4.

Signed on behalf of the manufacturer:
J Mason (Technical Manager)

J Mason Brompton-on-Swale, North Yorkshire.
1st August 2021



Thomas Armstrong (Holdings) Ltd Workington Rd, Flimby, Maryport, Cumbria. CA15 8RY
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UKCA 02

BS EN 771-4 : 2011

Airtec Standard Wall block

Category II autoclaved aerated concrete masonry unit

Dimensions	Length, mm	620
	Width, mm	Various - shown on the delivery documentation
	Height, mm	215
Dimensional Tolerance	Category	TLMB (Flatness 1.0mm, Plane Parallelism 1.0mm)
Configuration	Shape & features	NPD
	Group according to EN 1996-1-1 (EC6)	Group 1
Compressive strength	Mean compressive strength, N/mm ²	3.6 (⊥ bed face, whole unit) (Cat I)
	Direction of load	Perpendicular to bed faces
	Unit category	Category I
Dimensional stability	Moisture Movement, mm/m	0.4
Bond strength	Shear bond strength, N/mm ²	0.15 with GPLM 0.30 with TLM
	Flexural bond strength	NPD
Reaction to fire	A1 (Commission Decision 2000/605/EC)	
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Direct airborne sound insulation	Gross density, kg/m ³	530
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