## DECLARATION OF PERFORMANCE CE13



1. Product Type: Airtec Standard Brickette

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. Harmonised Standard: 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	Harmonised technical specification
Dimensions	Length, mm	215	
	Width, mm	Various - shown on the delivery documentation	
	Height, mm	65	1
Dimensional Tolerance		TLMB (Flatness 1.0mm, Plane Parallelism 1.0mm)	
Configuaration	Shape & features	NPD	
	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength	Mean compressive strength, N/mm <sup>2</sup>	3.6 (⊥ bed face, whole unit) (Cat I)	1
	Direction of load	Perpendicular to bed faces	
	Unit category	Category I	
Dimensional stability	Moisture Movement, mm/m	0.4 EN 771-4 : 2	
Bond strength	Shear bond strength, N/mm <sup>2</sup>	0.15 with GPLM 0.30 with TLM	
	Flexural bond strength	NPD	
Reaction to fire		A1 (Commission Decision 2000/605/EC)	
Water absorption, gm <sup>2</sup> .s <sup>-0.5</sup>		NPD	1
Water vapour permeability		5/10 (tabulated value)	1
Direct airbourne sound insulation	Gross density, kg/m <sup>3</sup>	530	]
	Configuration; dimensions & tolerances	See configuration	
Thermal Conductivity, W/mK ( $\Lambda_{10, dry}$ ) $\rho = 50\%$		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	1

Note: Information on Dangerous Substances will only be given when and where required in the appropriate form. See Annex ZA of BS EN 771-4:2023

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:

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J Mason (Technical Manager)
Brompton-on-Swale, North Yorkshire. 1st June 2013



0836

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

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CE13

EN 771-4 : 2011

## **Airtec Standard Brickette**

Category II autoclaved aerated concrete masonry unit

Dimensions    Length, mm				
Height, mm  Configuration  Configuration  Compressive strength  Dimensional stability  Dimensional stability  Moisture Movement, mm/m  Bond strength  Shear bond strength  Reaction to fire  Water absorption, gm².s os density, kg/m³  Direct airbourne sound insulation  Height, mm  65  TLMB (Flatness 1.0mm, Plane Parallelism 1.0mm)  NPD  Group according to EN 1996-1-1 (EC6)  Group 1  3.6 (  bed face, whole unit) (Cat I)  Perpendicular to bed faces  Category I  O.4  O.15 with GPLM 0.30 with TLM  NPD  NPD  NPD  NPD  Shear bond strength  NPD  Shear bond strength  NPD  Shear bond strength  NPD  Shear bond strength  Shear bond strength  NPD  Shear bond strength  Shear bond strength  NPD  Shear bond strength  Shear bond strength  Shear bond strength  NPD  Shear bond strength  Shear bond strength  Shear bond strength  NPD  Shear bond strength  Shear bond strength  Shear bond strength  NPD  Shear bond strength  Shear bond strength  Shear bond strength  NPD  Shear bond strength  NPD  Shear bond strength  Shear bond strength  Shear bond strength  NPD  Shear bond strength  Shear bond strength  Shear bond strength  NPD  Shear bond strength  Shear bond strength  Shear bond strength  NPD  Shear bond strength  Shear bond stren		Length, mm	215	
Dimensional Tolerance  Category  Shape & features Group according to EN 1996-1-1 (EC6)  Compressive strength  Direct airbourne sound insulation  Shape & features Group according to EN 1996-1-1 (EC6) Group 1  Mean compressive strength, N/mm² 3.6 (	Dimensions	Width, mm	Various - shown on the delivery documentation	
Configuration  Shape & features Group according to EN 1996-1-1 (EC6) Group 1  Mean compressive strength, N/mm² 3.6 (		Height, mm	65	
Configuration  Group according to EN 1996-1-1 (EC6)  Group 1  Mean compressive strength, N/mm² 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/mm² 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 os NPD  Water vapour permeability 5/10 (tabulated value)  Direct airbourne sound insulation	Dimensional Tolerance	Category	TLMB (Flatness 1.0mm, Plane Parallelism 1.0mm)	
Group according to EN 1996-1-1 (EC6)  Mean compressive strength, N/mm² 3.6 ( L bed face, whole unit) (Cat I)  Direction of load Perpendicular to bed faces Unit category Category I  Dimensional stability Moisture Movement, mm/m O.4  Shear bond strength, N/mm² O.15 with GPLM 0.30 with TLM Plexural bond strength NPD  Reaction to fire A1 (Commission Decision 2000/605/EC)  Water absorption, gm².s o.5  Water vapour permeability  Gross density, kg/m³ Sian Sian Sian Sian Sian Sian Sian Sian	Configuration	Shape & features	NPD	
Compressive strength  Direction of load Unit category  Category I  Dimensional stability  Moisture Movement, mm/m  O.4  Shear bond strength, N/mm² Flexural bond strength  NPD  Reaction to fire  A1 (Commission Decision 2000/605/EC)  Water absorption, gm².s².05  Water vapour permeability  Gross density, kg/m³  Since tairbourne sound insulation  Perpendicular to bed faces  Category I  0.4  A1 (Commission Decision 2000/605/EC)  NPD  5/10 (tabulated value)		Group according to EN 1996-1-1 (EC6)	Group 1	
Dimensional stability  Moisture Movement, mm/m  Bond strength  Flexural bond strength  Reaction to fire  Water absorption, gm².s².5¹  Water vapour permeability  Unit category  Moisture Movement, mm/m  Shear Movement, mm/m  Shear bond strength, N/mm²  Flexural bond strength  NPD  A1 (Commission Decision 2000/605/EC)  NPD  Water vapour permeability  Flox density, kg/m³  S30		Mean compressive strength, N/mm²	3.6 (⊥ bed face, whole unit) (Cat I)	
Dimensional stability  Moisture Movement, mm/m  O.4  Bond strength  Shear bond strength, N/mm² Flexural bond strength  NPD  Reaction to fire  A1 (Commission Decision 2000/605/EC)  Water absorption, gm².s o.5  NPD  Water vapour permeability  Gross density, kg/m³  530	Compressive strength	Direction of load	Perpendicular to bed faces	
Bond strength  Shear bond strength, N/mm² Flexural bond strength  NPD  Reaction to fire  A1 (Commission Decision 2000/605/EC)  Water absorption, gm².s o.5  NPD  Water vapour permeability  Gross density, kg/m³  530		Unit category	Category I	
Bond strength Flexural bond strength NPD  Reaction to fire A1 (Commission Decision 2000/605/EC)  Water absorption, gm².s².o².  Water vapour permeability Flexural bond strength NPD  NPD  S/10 (tabulated value)  Direct airbourne sound insulation	Dimensional stability	Moisture Movement, mm/m	0.4	
Reaction to fire A1 (Commission Decision 2000/605/EC)  Water absorption, gm².s a.5 NPD  Water vapour permeability 5/10 (tabulated value)  Direct airbourne sound insulation Gross density, kg/m³ 530	Bond strength	Shear bond strength, N/mm <sup>2</sup>	0.15 with GPLM 0.30 with TLM	
Water absorption, gm².s a.5  Water vapour permeability  Gross density, kg/m³  Direct airbourne sound insulation  NPD  5/10 (tabulated value)  530		Flexural bond strength	NPD	
Water vapour permeability 5/10 (tabulated value)  Gross density, kg/m³ 530	Reaction to fire		A1 (Commission Decision 2000/605/EC)	
Gross density, kg/m <sup>3</sup> 530  Direct airbourne sound insulation	Water absorption, gm <sup>2</sup> .s <sup>-0.5</sup>		NPD	
Direct airbourne sound insulation	Water vapour permeability		5/10 (tabulated value)	
Configuration: dimensions & tolerances See configuration	Direct airbourne sound insulation	Gross density, kg/m <sup>3</sup>	530	
g		Configuration; dimensions & tolerances	See configuration	
Thermal Conductivity, W/mK (λ <sub>10, dry</sub> ) ρ = 50% 0.10 Dry value - design values require correction for moisture content. See product literature.	Thermal Conductivity, W/mK ( $\Lambda_{10, dry}$ ) $\rho = 5$	0%		
Durability against freeze / thaw For use below and above ground level	Durability against freeze / thaw		For use below and above ground level	
Dangerous substances See Note	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 771-4:2023

See also Declaration of Performance CE13