DECLARATION OF PERFORMANCE CE28



1. Product Type: Solid Dense Concrete Standard - 17.5N

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 4
7. Harmonised Standard: EN 771-3 : 2011
8. ETA: Not Relevant

9. Declared Performance:

Essential Characteristics		Performance	Harmonised technical specification
Dimensions	Length, mm	440	
	Width, mm	Various - shown on the delivery documentation	
	Height, mm	215	
Dimensional Tolerance		D1 (Flatness NPD, Plane Parallelism NPD)	
Configuaration	Shape & features	NPD	
	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength	Mean compressive strength, N/mm ²	17.5 (L bed face, whole unit) (Cat II)	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	
Dimensional stability	Moisture Movement, mm/m	0.6	EN 771-3 : 2011
Bond strength	Shear bond strength, N/mm ²	0.15 with GPLM	
	Flexural bond strength	NPD	
Reaction to fire		A1 (Commission Decision 2000/605/EC)	
Water absorption, gm ² .s ^{-0.5}		NPD	
Water vapour permeability		5/15 (tabulated value)	
Direct airbourne sound insulation	Gross density, kg/m ³	2000	
	Configuration; dimensions & tolerances	See configuration	
Thermal Conductivity, W/mK ($\Lambda_{10, dry}$) $\rho = 50\%$		1.05 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 771-4:2039

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



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

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CE28

EN 771-3 : 2011

Solid Dense Concrete Standard - 17.5N

Category II aggregate concrete masonry unit

Dimensions Length, mm 440 Dimensional Tolerance Category D1 (Flatness NPD, Plane Parallelism NPD) Configuration Shape & features NPD Group according to EN 1996-1-1 (EC6) Group 1 Compressive strength Mean compressive strength, N/mm² 17.5 (⊥ bed face, whole unit) (Cat II) Direction of load Perpendicular to bed faces Unit category Category II Dimensional stability Moisture Movement, mm/m 0.6 Bond strength Shear bond strength, N/mm² 0.15 with GPLM NPD NPD Reaction to fire A1 (Commission Decision 2000/605/EC) Water absorption, gm².s⁴.⁵ NPD Water vapour permeability S/15 (tabulated value) Direct airbourne sound insulation Gross density, kg/m³ 2000 Configuration; dimensions & tolerances See configuration Thermal Conductivity, W/mK (A _{10, dn/l}) ρ = 50% 1.05 Dry value - design values require correction for moisture content. See product iterature. Durability against freeze / thaw For use below and above ground level				
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Flexural bond strength NPD	Rond strength	Shear bond strength, N/mm ²	0.15 with GPLM	
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Durability against freeze / thaw 1.05 moisture content. See product literature. For use below and above ground level		Configuration; dimensions & tolerances	See configuration	
	Thermal Conductivity, W/mK ($\Lambda_{10, dry}$) ρ =	50%		
Dangerous substances See Note	Durability against freeze / thaw		For use below and above ground level	
	Dangerous substances		See Note	

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See also Declaration of Performance CE28