

**DECLARATION OF PERFORMANCE
UKCA 31**



1. Product Type: **Solid Dense Concrete Paint-Grade - 10.4N**
 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. Designated Standard: **BS EN 771-3 : 2011**
 8. ETA: **Not Relevant**
 9. Declared Performance:

Essential Characteristics	Performance	Designated 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)	
Configuration	Shape & features	NPD
	Group according to EN 1996-1-1 (EC6)	Group 1
Compressive strength	Mean compressive strength, N/mm ²	10.4 (⊥ 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/mm ²	0.15 with GPLM
	Flexural bond strength	NPD
Reaction to fire	A1 (Commission Decision 2000/605/EC)	
Water absorption, gm².s^{-0.5}	<350g/m ² .s	
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 (λ_{10, dry}) ρ = 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 771-3:2011		

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
21
UKCA 31

BS EN 771-3 : 2011

Solid Dense Concrete Paint-Grade - 10.4N

Category II aggregate concrete masonry unit

Dimensions	Length, mm	440
	Width, mm	Various - shown on the delivery documentation
	Height, mm	215
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/mm ²	10.4 (⊥ bed face, whole unit) (Cat II)
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