

**DECLARATION OF PERFORMANCE
UKCA 45**



1. Product Type: **Hollow Dense Standard Block - 7.3N**
 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 2 |
| Compressive strength | Mean compressive strength, N/mm ² | 7.3 (⊥ 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} | 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 (λ_{10, dry}) ρ = 50% | 0.78 | 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

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UKCA 45

BS EN 771-3 : 2011

Hollow Dense Standard Block - 7.3N

Category II aggregate concrete masonry unit

| | | |
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