

DECLARATION OF PERFORMANCE UKCA 01



1. Product Type: **Airtec XL 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 | BS EN 771-4 : 2011 |
| | 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 | 2.9 (⊥ 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, gm ² .s ^{-0.5} | | NPD | |
| Water vapour permeability | | 5/10 (tabulated value) | |
| Direct airborne sound insulation | Gross density, kg/m ³ | 460 | |
| | Configuration; dimensions & tolerances | See configuration | |
| Thermal Conductivity, W/mK (λ _{10, dry}) ρ = 50% | | 0.08 Dry value - design values require correction for moisture content. See product literature. | |
| Durability against freeze / thaw | | For use 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 01

BS EN 771-4 : 2011

Airtec XL 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 | 2.9 (┴ bed face, whole unit) (Cat I) |
| | Direction of load | Perpendicular to bed faces |
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| Dimensional stability | Moisture Movement, mm/m | 0.4 |
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See Declaration of Performance: UKCA 01