

**DECLARATION OF PERFORMANCE  
CE02**



1. Product Type: **Airtec Standard 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. 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                                   | 620  | 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 <sup>2</sup> | 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/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  |                                    |
| Water vapour permeability                                  |  | 5/10 (tabulated value)   |                                    |
| Direct airbourne sound insulation                          | Gross density, kg/m <sup>3</sup>             | 530  |                                    |
|  | Configuration; dimensions & tolerances       | See configuration  |                                    |
| Thermal Conductivity, W/mK (A <sub>10, dry</sub> ) ρ = 50% |  | 0.10 <small>Dry value - design values require correction for moisture content. See product literature.</small> |                                    |
| 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 771-4:2012

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)  
Brompton-on-Swale, North Yorkshire. 1st June 2013



0836

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

**13**

**CE02**

EN 771-4 : 2011

**Airtec Standard 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 <sup>2</sup> | 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/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  |
| Water vapour permeability                                  |  | 5/10 (tabulated value)   |
| Direct airbourne sound insulation                          | Gross density, kg/m <sup>3</sup>             | 530  |
|  | Configuration; dimensions & tolerances       | See configuration  |
| Thermal Conductivity, W/mK (A <sub>10, dry</sub> ) ρ = 50% |  | 0.10 <small>Dry value - design values require correction for moisture content. See product literature.</small> |
| 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 771-4:2012

See also Declaration of Performance **CE02**