

# DECLARATION OF PERFORMANCE CE59



1. Product Type: **Small End Closure Block 205mm**
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                                   | 205   | EN 771-3 : 2011                    |
|  | Width, mm                                    | 140   |                                    |
|  | Height, mm                                   | 100   |                                    |
| 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 <sup>2</sup> | 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 <sup>2</sup>       | 0.15 with GPLM  |                                    |
|  | 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                                  |  | 5/15 (tabulated value)  |                                    |
| Direct airbourne sound insulation                          | Gross density, kg/m <sup>3</sup>             | 2000  |                                    |
|  | Configuration; dimensions & tolerances       | See configuration   |                                    |
| Thermal Conductivity, W/mK (A <sub>10, dry</sub> ) 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 771-4:2070

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



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

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EN 771-3 : 2011

**Small End Closure Block 205mm**

Category II aggregate concrete masonry unit

|  |  |   |
|--|--|---|
| Dimensions   | Length, mm                                   | 205   |
|  | Width, mm                                    | 140   |
|  | Height, mm                                   | 100   |
| 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 <sup>2</sup> | 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 <sup>2</sup>       | 0.15 with GPLM  |
|  | 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                                  |  | 5/15 (tabulated value)  |
| Direct airbourne sound insulation                          | Gross density, kg/m <sup>3</sup>             | 2000  |
|  | Configuration; dimensions & tolerances       | See configuration   |
| Thermal Conductivity, W/mK (A <sub>10, dry</sub> ) 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 771-4:2070

See also Declaration of Performance CE59