

**DECLARATION OF PERFORMANCE**  
**UKCA 54**



1. Product Type: **Dense Slip Block 38mm**
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                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Dimensions</b>                                                                                                                                     | Length, mm                                   | 440                                                                                        |
|                                                                                                                                                       | Width, mm                                    | 1140                                                                                       |
|                                                                                                                                                       | Height, mm                                   | 38                                                                                         |
| <b>Dimensional Tolerance</b>                                                                                                                          | D1 (Flatness NPD, Plane Parallelism NPD)     |                                                                                            |
| <b>Configuration</b>                                                                                                                                  | Shape & features                             | NPD                                                                                        |
|                                                                                                                                                       | Group according to EN 1996-1-1 (EC6)         | Group 1                                                                                    |
| <b>Compressive strength</b>                                                                                                                           | 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                                                                                |
| <b>Dimensional stability</b>                                                                                                                          | Moisture Movement, mm/m                      | 0.6                                                                                        |
| <b>Bond strength</b>                                                                                                                                  | Shear bond strength, N/mm <sup>2</sup>       | 0.15 with GPLM                                                                             |
|                                                                                                                                                       | Flexural bond strength                       | NPD                                                                                        |
| <b>Reaction to fire</b>                                                                                                                               | A1 (Commission Decision 2000/605/EC)         |                                                                                            |
| <b>Water absorption, gm<sup>2</sup>.s<sup>-0.5</sup></b>                                                                                              | NPD                                          |                                                                                            |
| <b>Water vapour permeability</b>                                                                                                                      | 5/15 (tabulated value)                       |                                                                                            |
| <b>Direct airbourne sound insulation</b>                                                                                                              | Gross density, kg/m <sup>3</sup>             | 2000                                                                                       |
|                                                                                                                                                       | Configuration; dimensions & tolerances       | See configuration                                                                          |
| <b>Thermal Conductivity, W/mK (λ<sub>10, dry</sub>) ρ = 50%</b>                                                                                       | 1.05                                         | Dry value - design values require correction for moisture content. See product literature. |
| <b>Durability against freeze / thaw</b>                                                                                                               | For use below and above ground level         |                                                                                            |
| <b>Dangerous substances</b>                                                                                                                           | See Note                                     |                                                                                            |
| <b>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</b> |                                              |                                                                                            |

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 54

BS EN 771-3 : 2011

**Dense Slip Block 38mm**

Category II aggregate concrete masonry unit

|                                                                                                                                                       |                                              |                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Dimensions</b>                                                                                                                                     | Length, mm                                   | 440                                                                                        |
|                                                                                                                                                       | Width, mm                                    | 1140                                                                                       |
|                                                                                                                                                       | Height, mm                                   | 38                                                                                         |
| <b>Dimensional Tolerance</b>                                                                                                                          | Category                                     | D1 (Flatness NPD, Plane Parallelism NPD)                                                   |
| <b>Configuration</b>                                                                                                                                  | Shape & features                             | NPD                                                                                        |
|                                                                                                                                                       | Group according to EN 1996-1-1 (EC6)         | Group 1                                                                                    |
| <b>Compressive strength</b>                                                                                                                           | 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                                                                                |
| <b>Dimensional stability</b>                                                                                                                          | Moisture Movement, mm/m                      | 0.6                                                                                        |
| <b>Bond strength</b>                                                                                                                                  | Shear bond strength, N/mm <sup>2</sup>       | 0.15 with GPLM                                                                             |
|                                                                                                                                                       | Flexural bond strength                       | NPD                                                                                        |
| <b>Reaction to fire</b>                                                                                                                               | A1 (Commission Decision 2000/605/EC)         |                                                                                            |
| <b>Water absorption, gm<sup>2</sup>.s<sup>-0.5</sup></b>                                                                                              | NPD                                          |                                                                                            |
| <b>Water vapour permeability</b>                                                                                                                      | 5/15 (tabulated value)                       |                                                                                            |
| <b>Direct airbourne sound insulation</b>                                                                                                              | Gross density, kg/m <sup>3</sup>             | 2000                                                                                       |
|                                                                                                                                                       | Configuration; dimensions & tolerances       | See configuration                                                                          |
| <b>Thermal Conductivity, W/mK (λ<sub>10, dry</sub>) ρ = 50%</b>                                                                                       | 1.05                                         | Dry value - design values require correction for moisture content. See product literature. |
| <b>Durability against freeze / thaw</b>                                                                                                               | For use below and above ground level         |                                                                                            |
| <b>Dangerous substances</b>                                                                                                                           | See Note                                     |                                                                                            |
| <b>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</b> |                                              |                                                                                            |

**See Declaration of Performance: UKCA 54**