



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T. CF44 9JY

**BS EN 771-3**

**2013**

**Dense Concrete Blocks standard 15Nmm<sup>2</sup>**

**100S15**

**CATEGORY II 440X215X100mm Concrete masonry units**

**Dimension Tolerances:**

|  |  |
|--|--|
| <i>Category:</i>                           | <i>D1</i>                              |
| <i>Flatness:</i>                           | <i>NPD</i>                             |
| <i>Parallesmelism:</i>                     | <i>NPD</i>                             |
| <i>Configuration:</i>                      | <i>Solid</i>                           |
| <i>Mean compressive strength:</i>          | <i>15Nmm<sup>2</sup></i>               |
| <i>Dimension Stability:</i>                | <i>Moister movement &lt; 0.55mm/m</i>  |
| <i>Shear Bond strength</i>                 | <i>Fixed value 0.15Nmm<sup>2</sup></i> |
| <i>Flexural bond strength:</i>             | <i>NPD</i>                             |
| <i>Reaction to fire:</i>                   | <i>Euroclass A1</i>                    |
| <i>Water absorption:</i>                   | <i>NPD</i>                             |
| <i>Water Vapour diffusion coefficient:</i> | <i>Fixed value 5/12</i>                |
| <i>Direct airborne sound insulation:</i>   |  |
| <i>Gross density:</i>                      | <i>2000 kg/m</i>                       |
| <i>Configuration:</i>                      | <i>As above</i>                        |
| <i>Thermal Conductivity:</i>               | <i>1.12 W/mk</i>                       |
| <i>Dangerous substance:</i>                | <i>NPD</i>                             |



DECLARATION OF PERFORMANCE  
No. 100DS15

- 1 Product type: **100DS15**
- 2 Identification: **100DS15**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
**Stuart Quarry,**  
**Penderyn, Aberdare CF44 9JY**  
**Email: sales@wdlewisaberdare.co.uk**

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics  |                                      | Performance                                | Harmonized technical specification |
|--|--------------------------------------|--|------------------------------------|
| Dimensions (1)   | Length                               | 440 mm                                     | EN 771-3: 2013                     |
|  | Width                                | 100mm                                      |                                    |
|  | Height                               | 215 mm                                     |                                    |
|  | Tolerance category                   | D1   |                                    |
| Configuration (1)  | Shape and features                   | NPD  |                                    |
|  | Group according to EN 1996-1-1 (EC6) | Group 1                                    |                                    |
| Compressive strength(1)  | Mean compressive strength            | 14 N/mm <sup>2</sup>                       |                                    |
|  | Direction of load                    | Perpendicular to bed faces                 |                                    |
|  | Unit category                        | Category II                                |                                    |
| Dimensional stability (1)  |                                      | 0.5mm/m (measured value)                   |                                    |
| Bond strength (1)  | Shear bond strength                  | 0.15N/mm <sup>2</sup><br>(tabulated value) |                                    |
|  | Flexural bond strength               | NPD  |                                    |
| Reaction to fire (2)   |                                      | A1<br>(Commission Decision 2000/605/EC)    |                                    |
| Water absorption (3)   |                                      | NPD  |                                    |
| Water vapour permeability (4)  |                                      | 5/15<br>(tabulated value)                  |                                    |
| Direct airborne sound insulation (5)<br><br>(in end conditions )/ [Density | Gross density                        | 2000 kg/m <sup>3</sup>                     |                                    |

|  |  |  |  |
|--|--|--|--|
| and configuration]                                   | Configuration; dimensions and tolerances | See configuration  |  |
| Thermal resistance/ or density and configuration (6) |  | 1.00 $\lambda_{10, \text{dry, unit}}$<br>(tabulated value) |  |
| Durability against freeze/thaw                       |  | Pass   |  |
| Dangerous substances                                 |  | NPD  |  |

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name: Martin Lewis (Joint Managing Director)**

**Signature:**



**Valid From: Aberdare, 01.07.2013**



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T. CF44 9JY

**BS EN 771-3**

**2013**

**Dense Concrete Blocks Standard 10.4Nmm<sup>2</sup>**

**140S10**

**CATEGORY II 440X215X100mm Concrete masonry units**

**Dimension Tolerances:**

|  |  |
|--|--|
| <i>Category:</i>                           | <i>D1</i>                              |
| <i>Flatness:</i>                           | <i>NPD</i>                             |
| <i>Parallesmelism:</i>                     | <i>NPD</i>                             |
| <i>Configuration:</i>                      | <i>Solid</i>                           |
| <i>Mean compressive strength:</i>          | <i>10.4Nmm<sup>2</sup></i>             |
| <i>Dimension Stability:</i>                | <i>Moister movement &lt; 0.55mm/m</i>  |
| <i>Shear Bond strength</i>                 | <i>Fixed value 0.15Nmm<sup>2</sup></i> |
| <i>Flexural bond strength:</i>             | <i>NPD</i>                             |
| <i>Reaction to fire:</i>                   | <i>Euroclass A1</i>                    |
| <i>Water absorption:</i>                   | <i>NPD</i>                             |
| <i>Water Vapour diffusion coefficient:</i> | <i>Fixed value 5/12</i>                |
| <i>Direct airborne sound insulation:</i>   |  |
| <i>Gross density:</i>                      | <i>2000 kg/m</i>                       |
| <i>Configuration:</i>                      | <i>As above</i>                        |
| <i>Thermal Conductivity:</i>               | <i>1.12 W/mk</i>                       |
| <i>Dangerous substance:</i>                | <i>NPD</i>                             |



**DECLARATION OF PERFORMANCE**  
No. 140DS10

- 1 Product type: **140DS10**
- 2 Identification: **140DS10**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
**Stuart Quarry,**  
**Penderyn, Aberdare CF44 9JY**  
**Email: sales@wdlewisaberdare.co.uk**

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics   |                                      | Performance                             | Harmonized technical specification |
|---|--------------------------------------|---|------------------------------------|
| Dimensions (1)  | Length                               | 440 mm                                  | EN 771-3: 2013                     |
|   | Width                                | 140mm                                   |                                    |
|   | Height                               | 215 mm                                  |                                    |
|   | Tolerance category                   | D1                                      |                                    |
| Configuration (1)   | Shape and features                   | NPD                                     |                                    |
|   | Group according to EN 1996-1-1 (EC6) | Group 1                                 |                                    |
| Compressive strength(1)   | Mean compressive strength            | 10.4 N/mm <sup>2</sup>                  |                                    |
|   | Direction of load                    | Perpendicular to bed faces              |                                    |
|   | Unit category                        | Category II                             |                                    |
| Dimensional stability (1)   |                                      | 0.5mm/m (measured value)                |                                    |
| Bond strength (1)   | Shear bond strength                  | 0.15N/mm <sup>2</sup> (tabulated value) |                                    |
|   | Flexural bond strength               | NPD                                     |                                    |
| Reaction to fire (2)  |                                      | A1<br>(Commission Decision 2000/605/EC) |                                    |
| Water absorption (3)  |                                      | NPD                                     |                                    |
| Water vapour permeability (4)   |                                      | 5/15 (tabulated value)                  |                                    |
| Direct airborne sound insulation (5)(in end conditions )/ [Density and configuration] | Gross density                        | 2000 kg/m <sup>3</sup>                  |                                    |

|  |  |   |  |
|--|--|---|--|
|  | Configuration;<br>dimensions and<br>tolerances | See configuration                                   |  |
| Thermal resistance/ or density and configuration (6) |  | 1.00 $\lambda_{10, dry, unit}$<br>(tabulated value) |  |
| Durability against freeze/thaw                       |  | Not to be left exposed                              |  |
| Dangerous substances                                 |  | NPD   |  |

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name:** Martin Lewis (Joint Managing Director)

**Signature:**



**Valid From:** Aberdare, 01.07.2013



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T.

**BS EN 771-3**

**2013**

**Dense Concrete Blocks Standard 7.3Nmm<sup>2</sup>**

**140DP7**

**CATEGORY II 440X215X140mm Concrete masonry units**

**Dimension Tolerances:**

|  |  |
|--|--|
| <b>Category:</b>                           | <b>D1</b>                              |
| <b>Flatness:</b>                           | <b>NPD</b>                             |
| <b>Parallelmelism:</b>                     | <b>NPD</b>                             |
| <b>Configuration:</b>                      | <b>Solid</b>                           |
| <b>Mean compressive strength:</b>          | <b>7.3Nmm<sup>2</sup></b>              |
| <b>Dimension Stability:</b>                | <b>Moister movement v 0.55mm/m</b>     |
| <b>Shear Bond strength</b>                 | <b>Fixed value 0.15Nmm<sup>2</sup></b> |
| <b>Flexural bond strength:</b>             | <b>NPD</b>                             |
| <b>Reaction to fire:</b>                   | <b>Euroclass A1</b>                    |
| <b>Water absorption:</b>                   | <b>NPD</b>                             |
| <b>Water Vapour diffusion coefficient:</b> | <b>Fixed value 5/12</b>                |
| <b>Direct airborne sound insulation:</b>   |  |
| <b>Gross density:</b>                      | <b>2000 kg/m</b>                       |
| <b>Configuration:</b>                      | <b>As above</b>                        |
| <b>Thermal Conductivity:</b>               | <b>1.12 W/mk</b>                       |
| <b>Dangerous substance:</b>                | <b>NPD</b>                             |



**DECLARATION OF PERFORMANCE**  
No. 140DS7

- 1 Product type: **140DS7**
- 2 Identification: **140DS7**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
**Stuart Quarry,**  
**Penderyn, Aberdare CF44 9JY**  
**Email: sales@wdlewisaberdare.co.uk**

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics   |                                      | Performance                             | Harmonized technical specification |
|---|--------------------------------------|---|------------------------------------|
| Dimensions (1)  | Length                               | 440 mm                                  | EN 771-3: 2013                     |
|   | Width                                | 140mm                                   |                                    |
|   | Height                               | 215 mm                                  |                                    |
|   | Tolerance category                   | D1                                      |                                    |
| Configuration (1)   | Shape and features                   | NPD                                     |                                    |
|   | Group according to EN 1996-1-1 (EC6) | Group 1                                 |                                    |
| Compressive strength(1)   | Mean compressive strength            | 7.3 N/mm <sup>2</sup>                   |                                    |
|   | Direction of load                    | Perpendicular to bed faces              |                                    |
|   | Unit category                        | Category II                             |                                    |
| Dimensional stability (1)   |                                      | 0.5mm/m (measured value)                |                                    |
| Bond strength (1)   | Shear bond strength                  | 0.15N/mm <sup>2</sup> (tabulated value) |                                    |
|   | Flexural bond strength               | NPD                                     |                                    |
| Reaction to fire (2)  |                                      | A1<br>(Commission Decision 2000/605/EC) |                                    |
| Water absorption (3)  |                                      | NPD                                     |                                    |
| Water vapour permeability (4)   |                                      | 5/15<br>(tabulated value)               |                                    |
| Direct airborne sound insulation (5)(in end conditions )/ [Density and configuration] | Gross density                        | 2000 kg/m <sup>3</sup>                  |                                    |



|  |  |   |  |
|--|--|---|--|
|  | Configuration;<br>dimensions and<br>tolerances | See configuration                                   |  |
| Thermal resistance/ or density and configuration (6) |  | 1.00 $\lambda_{10, dry, unit}$<br>(tabulated value) |  |
| Durability against freeze/thaw                       |  | Not to be left exposed                              |  |
| Dangerous substances                                 |  | NPD   |  |

- (1) for units intended to be used in elements subject to structural requirements  
(2) for units intended to be used in elements subject to fire requirements  
(3) for units intended to be used in damp proof courses or in external elements with an exposed face  
(4) for units intended to be used in external elements  
(5) for units to be used in elements subject to acoustic requirements  
(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name: Martin Lewis (Joint Managing Director)**

**Signature:** 

**Valid From: Aberdare, 01.07.2013**



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T.

**BS EN 771-3**

**2013**

**Dense Concrete Blocks Standard 14Nmm<sup>2</sup>**

**140DS14**

**CATEGORY II 440X215X140mm Concrete masonry units**

**Dimension Tolerances:**

|  |  |
|--|--|
| <b>Category:</b>                           | <b>D1</b>                              |
| <b>Flatness:</b>                           | <b>NPD</b>                             |
| <b>Parallesmelism:</b>                     | <b>NPD</b>                             |
| <b>Configuration:</b>                      | <b>Solid</b>                           |
| <b>Mean compressive strength:</b>          | <b>14Nmm<sup>2</sup></b>               |
| <b>Dimension Stability:</b>                | <b>Moister movement v 0.55mm/m</b>     |
| <b>Shear Bond strength</b>                 | <b>Fixed value 0.15Nmm<sup>2</sup></b> |
| <b>Flexural bond strength:</b>             | <b>NPD</b>                             |
| <b>Reaction to fire:</b>                   | <b>Euroclass A1</b>                    |
| <b>Water absorption:</b>                   | <b>NPD</b>                             |
| <b>Water Vapour diffusion coefficient:</b> | <b>Fixed value 5/12</b>                |
| <b>Direct airborne sound insulation:</b>   |  |
| <b>Gross density:</b>                      | <b>2000 kg/m</b>                       |
| <b>Configuration:</b>                      | <b>As above</b>                        |
| <b>Thermal Conductivity:</b>               | <b>1.12 W/mk</b>                       |
| <b>Dangerous substance:</b>                | <b>NPD</b>                             |



DECLARATION OF PERFORMANCE  
No. 140DS14

- 1 Product type: **140DS14**
- 2 Identification: **140DS14**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
**Stuart Quarry,**  
**Penderyn, Aberdare CF44 9JY**  
**Email: sales@wdlewisaberdare.co.uk**

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics   |                                      | Performance                             | Harmonized technical specification |
|---|--------------------------------------|---|------------------------------------|
| Dimensions (1)  | Length                               | 440 mm                                  | EN 771-3: 2013                     |
|   | Width                                | 140mm                                   |                                    |
|   | Height                               | 215 mm                                  |                                    |
|   | Tolerance category                   | D1                                      |                                    |
| Configuration (1)   | Shape and features                   | NPD                                     |                                    |
|   | Group according to EN 1996-1-1 (EC6) | Group 1                                 |                                    |
| Compressive strength(1)   | Mean compressive strength            | 14 N/mm <sup>2</sup>                    |                                    |
|   | Direction of load                    | Perpendicular to bed faces              |                                    |
|   | Unit category                        | Category II                             |                                    |
| Dimensional stability (1)   |                                      | 0.5mm/m (measured value)                |                                    |
| Bond strength (1)   | Shear bond strength                  | 0.15N/mm <sup>2</sup> (tabulated value) |                                    |
|   | Flexural bond strength               | NPD                                     |                                    |
| Reaction to fire (2)  |                                      | A1 (Commission Decision 2000/605/EC)    |                                    |
| Water absorption (3)  |                                      | NPD                                     |                                    |
| Water vapour permeability (4)   |                                      | 5/15 (tabulated value)                  |                                    |
| Direct airborne sound insulation (5)(in end conditions )/ [Density and configuration] | Gross density                        | 2000 kg/m <sup>3</sup>                  |                                    |

|  |  |   |  |
|--|--|---|--|
|  | Configuration;<br>dimensions and<br>tolerances | See configuration                                   |  |
| Thermal resistance/ or density and configuration (6) |  | 1.00 $\lambda_{10, dry, unit}$<br>(tabulated value) |  |
| Durability against freeze/thaw                       |  | Not to be left exposed                              |  |
| Dangerous substances                                 |  | NPD   |  |

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name: Martin Lewis (Joint Managing Director)**

**Signature:**



**Valid From: Aberdare, 01.07.2013**



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T.

**BS EN 771-3**

**2013**

**Dense Concrete Hollow Blocks 3.6Nmm<sup>2</sup>**

**215H3**

**CATEGORY II 440X215X215mm Concrete masonry units**

**Dimension Tolerances:**

|  |  |
|--|--|
| <i>Category:</i>                           | <i>D1</i>                              |
| <i>Flatness:</i>                           | <i>NPD</i>                             |
| <i>Parallelmelism:</i>                     | <i>NPD</i>                             |
| <i>Configuration:</i>                      | <i>Solid</i>                           |
| <i>Mean compressive strength:</i>          | <i>3.6Nmm<sup>2</sup></i>              |
| <i>Dimension Stability:</i>                | <i>Moister movement v 0.55mm/m</i>     |
| <i>Shear Bond strength</i>                 | <i>Fixed value 0.15Nmm<sup>2</sup></i> |
| <i>Flexural bond strength:</i>             | <i>NPD</i>                             |
| <i>Reaction to fire:</i>                   | <i>Euroclass A1</i>                    |
| <i>Water absorption:</i>                   | <i>NPD</i>                             |
| <i>Water Vapour diffusion coefficient:</i> | <i>Fixed value 5/12</i>                |
| <i>Direct airborne sound insulation:</i>   |  |
| <i>Gross density:</i>                      | <i>2000 kg/m</i>                       |
| <i>Configuration:</i>                      | <i>As above</i>                        |
| <i>Thermal Conductivity:</i>               | <i>1.12 W/mk</i>                       |
| <i>Dangerous substance:</i>                | <i>NPD</i>                             |



DECLARATION OF PERFORMANCE  
No. 215H3

- 1 Product type: **215H3**
- 2 Identification: **215H3**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
**Stuart Quarry,**  
**Penderyn, Aberdare CF44 9JY**  
**Email: sales@wdlewisaberdare.co.uk**

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics |                                      | Performance                                | Harmonized technical specification |
|---------------------------|--------------------------------------|--|------------------------------------|
| Dimensions (1)            | Length                               | 440 mm                                     | EN 771-3: 2013                     |
|                           | Width                                | 215mm                                      |                                    |
|                           | Height                               | 215 mm                                     |                                    |
|                           | Tolerance category                   | D1   |                                    |
| Configuration (1)         | Shape and features                   | NPD  |                                    |
|                           | Group according to EN 1996-1-1 (EC6) | Group 1                                    |                                    |
| Compressive strength(1)   | Mean compressive strength            | 3.6 N/mm <sup>2</sup>                      |                                    |
|                           | Direction of load                    | Perpendicular to bed faces                 |                                    |
|                           | Unit category                        | Category II                                |                                    |
| Dimensional stability (1) |                                      | 0.5mm/m (measured value)                   |                                    |
| Bond strength (1)         | Shear bond strength                  | 0.15N/mm <sup>2</sup><br>(tabulated value) |                                    |
|                           | Flexural bond strength               | NPD  |                                    |
| Reaction to fire (2)      |                                      | A1<br>(Commission Decision 2000/605/EC)    |                                    |
| Water absorption (3)      |                                      | NPD  |                                    |

|   |  |   |  |
|---|--|---|--|
| Water vapour permeability (4)   |  | 5/15<br>(tabulated value)                           |  |
| Direct airborne sound insulation (5)<br><br>(in end conditions )/ [Density and configuration] | Gross density                            | 2000 kg/m <sup>3</sup>                              |  |
|   | Configuration; dimensions and tolerances | See configuration                                   |  |
| Thermal resistance/ or density and configuration (6)  |  | 1.00 $\lambda_{10, dry, unit}$<br>(tabulated value) |  |
| Durability against freeze/thaw  |  | Not to be left exposed                              |  |
| Dangerous substances  |  | NPD   |  |

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name: Martin Lewis (Joint Managing Director)**

**Signature:**



**Valid From: Aberdare, 01.07.2013**



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T. CF44 9JY

**BS EN 771-3**

**2013**

**Dense Concrete Cellular Blocks 3.6Nmm<sup>2</sup>**

**100CELL**

**CATEGORY II 440X215X100mm Concrete masonry units**

**Dimension Tolerances:**

|  |  |
|--|--|
| <i>Category:</i>                           | <i>D1</i>                              |
| <i>Flatness:</i>                           | <i>NPD</i>                             |
| <i>Parallesmelism:</i>                     | <i>NPD</i>                             |
| <i>Configuration:</i>                      | <i>Solid</i>                           |
| <i>Mean compressive strength:</i>          | <i>3.6Nmm<sup>2</sup></i>              |
| <i>Dimension Stability:</i>                | <i>Moister movement &lt; 0.55mm/m</i>  |
| <i>Shear Bond strength</i>                 | <i>Fixed value 0.15Nmm<sup>2</sup></i> |
| <i>Flexural bond strength:</i>             | <i>NPD</i>                             |
| <i>Reaction to fire:</i>                   | <i>Euroclass A1</i>                    |
| <i>Water absorption:</i>                   | <i>NPD</i>                             |
| <i>Water Vapour diffusion coefficient:</i> | <i>Fixed value 5/12</i>                |
| <i>Direct airborne sound insulation:</i>   |  |
| <i>Gross density:</i>                      | <i>2000 kg/m</i>                       |
| <i>Configuration:</i>                      | <i>As above</i>                        |
| <i>Thermal Conductivity:</i>               | <i>1.32 W/mk</i>                       |
| <i>Dangerous substance:</i>                | <i>NPD</i>                             |





**DECLARATION OF PERFORMANCE**  
No. 100CELL

- 1 Product type: **100CELL**
- 2 Identification: **100CELL**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
Stuart Quarry,  
Penderyn, Aberdare CF44 9JY  
Email: [sales@wdlewisaberdare.co.uk](mailto:sales@wdlewisaberdare.co.uk)

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics  |                                      | Performance                                | Harmonized technical specification |
|--|--------------------------------------|--|------------------------------------|
| Dimensions (1)   | Length                               | 440 mm                                     | EN 771-3: 2013                     |
|  | Width                                | 100mm                                      |                                    |
|  | Height                               | 215 mm                                     |                                    |
|  | Tolerance category                   | D1   |                                    |
| Configuration (1)  | Shape and features                   | NPD  |                                    |
|  | Group according to EN 1996-1-1 (EC6) | Group 1                                    |                                    |
| Compressive strength(1)  | Mean compressive strength            | 3.6 N/mm <sup>2</sup>                      |                                    |
|  | Direction of load                    | Perpendicular to bed faces                 |                                    |
|  | Unit category                        | Category II                                |                                    |
| Dimensional stability (1)  |                                      | 0.5mm/m (measured value)                   |                                    |
| Bond strength (1)  | Shear bond strength                  | 0.15N/mm <sup>2</sup><br>(tabulated value) |                                    |
|  | Flexural bond strength               | NPD  |                                    |
| Reaction to fire (2)   |                                      | A1<br>(Commission Decision 2000/605/EC)    |                                    |
| Water absorption (3)   |                                      | NPD  |                                    |
| Water vapour permeability (4)  |                                      | 5/15<br>(tabulated value)                  |                                    |
| Direct airborne sound insulation (5)<br><br>(in end conditions )/ [Density | Gross density                        | 2000 kg/m <sup>3</sup>                     |                                    |

|  |  |  |  |
|--|--|--|--|
| and configuration]                                   | Configuration; dimensions and tolerances | See configuration  |  |
| Thermal resistance/ or density and configuration (6) |  | 1.00 $\lambda_{10, \text{dry, unit}}$<br>(tabulated value) |  |
| Durability against freeze/thaw                       |  | Not to be left exposed                                     |  |
| Dangerous substances                                 |  | NPD  |  |

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name:** Martin Lewis (Joint Managing Director)

**Signature:**



**Valid From:** Aberdare, 01.07.2013



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T. CF44 9JY

**BS EN 771-3**

**2013**

**Dense Concrete Blocks Standard 7.3N/mm<sup>2</sup>**

**100DS7**

**CATEGORY II 440X215X100mm Concrete masonry units**

**Dimension Tolerances:**

|  |  |
|--|--|
| <i>Category:</i>                           | <i>D1</i>                              |
| <i>Flatness:</i>                           | <i>NPD</i>                             |
| <i>Parallesmelism:</i>                     | <i>NPD</i>                             |
| <i>Configuration:</i>                      | <i>Solid</i>                           |
| <i>Mean compressive strength:</i>          | <i>7.3Nmm<sup>2</sup></i>              |
| <i>Dimension Stability:</i>                | <i>Moister movement &lt; 0.55mm/m</i>  |
| <i>Shear Bond strength</i>                 | <i>Fixed value 0.15Nmm<sup>2</sup></i> |
| <i>Flexural bond strength:</i>             | <i>NPD</i>                             |
| <i>Reaction to fire:</i>                   | <i>Euroclass A1</i>                    |
| <i>Water absorption:</i>                   | <i>NPD</i>                             |
| <i>Water Vapour diffusion coefficient:</i> | <i>Fixed value 5/12</i>                |
| <i>Direct airborne sound insulation:</i>   |  |
| <i>Gross density:</i>                      | <i>2000 kg/m</i>                       |
| <i>Configuration:</i>                      | <i>As above</i>                        |
| <i>Thermal Conductivity:</i>               | <i>1.12 W/mk</i>                       |
| <i>Dangerous substance:</i>                | <i>NPD</i>                             |



**DECLARATION OF PERFORMANCE**  
**No. 100DS7**

- 1 Product type: **100DS7**
- 2 Identification: **100DS7**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
**Stuart Quarry,**  
**Penderyn, Aberdare CF44 9JY**  
**Email: sales@wdlewisaberdare.co.uk**

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics            |                                      | Performance                                | Harmonized technical specification |
|--------------------------------------|--------------------------------------|--|------------------------------------|
| Dimensions (1)                       | Length                               | 440 mm                                     | EN 771-3: 2013                     |
|                                      | Width                                | 100mm                                      |                                    |
|                                      | Height                               | 215 mm                                     |                                    |
|                                      | Tolerance category                   | D1   |                                    |
| Configuration (1)                    | Shape and features                   | NPD  |                                    |
|                                      | Group according to EN 1996-1-1 (EC6) | Group 1                                    |                                    |
| Compressive strength(1)              | Mean compressive strength            | 7.3 N/mm <sup>2</sup>                      |                                    |
|                                      | Direction of load                    | Perpendicular to bed faces                 |                                    |
|                                      | Unit category                        | Category II                                |                                    |
| Dimensional stability (1)            |                                      | 0.5mm/m (measured value)                   |                                    |
| Bond strength (1)                    | Shear bond strength                  | 0.15N/mm <sup>2</sup><br>(tabulated value) |                                    |
|                                      | Flexural bond strength               | NPD  |                                    |
| Reaction to fire (2)                 |                                      | A1<br>(Commission Decision 2000/605/EC)    |                                    |
| Water absorption (3)                 |                                      | NPD  |                                    |
| Water vapour permeability (4)        |                                      | 5/15<br>(tabulated value)                  |                                    |
| Direct airborne sound insulation (5) | Gross density                        | 2000 kg/m <sup>3</sup>                     |                                    |
| (in end conditions )/ [Density       |                                      |  |                                    |

|  |  |  |  |
|--|--|--|--|
| and configuration]                                   | Configuration; dimensions and tolerances | See configuration  |  |
| Thermal resistance/ or density and configuration (6) |  | 1.00 $\lambda_{10, \text{dry, unit}}$<br>(tabulated value) |  |
| Durability against freeze/thaw                       |  | Pass   |  |
| Dangerous substances                                 |  | NPD  |  |

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name: Martin Lewis (Joint Managing Director)**

**Signature:** 

**Valid From: Aberdare, 01.07.2013**



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T. CF44 9JY

## BS EN 771-3

2013

Dense Concrete Blocks Standard 21/Nmm<sup>2</sup>

100DS21

CATEGORY II 440X215X100mm Concrete masonry units

### Dimension Tolerances:

|  |  |
|--|--|
| <i>Category:</i>                           | <i>D1</i>                              |
| <i>Flatness:</i>                           | <i>NPD</i>                             |
| <i>Parallesmelism:</i>                     | <i>NPD</i>                             |
| <i>Configuration:</i>                      | <i>Solid</i>                           |
| <i>Mean compressive strength:</i>          | <i>21Nmm<sup>2</sup></i>               |
| <i>Dimension Stability:</i>                | <i>Moister movement &lt; 0.55mm/m</i>  |
| <i>Shear Bond strength</i>                 | <i>Fixed value 0.15Nmm<sup>2</sup></i> |
| <i>Flexural bond strength:</i>             | <i>NPD</i>                             |
| <i>Reaction to fire:</i>                   | <i>Euroclass A1</i>                    |
| <i>Water absorption:</i>                   | <i>NPD</i>                             |
| <i>Water Vapour diffusion coefficient:</i> | <i>Fixed value 5/12</i>                |
| <i>Direct airborne sound insulation:</i>   |  |
| <i>Gross density:</i>                      | <i>2000 kg/m</i>                       |
| <i>Configuration:</i>                      | <i>As above</i>                        |
| <i>Thermal Conductivity:</i>               | <i>1.12 W/mk</i>                       |
| <i>Dangerous substance:</i>                | <i>NPD</i>                             |



**DECLARATION OF PERFORMANCE**  
**No. 100DS21**

- 1 Product type: **100DS21**
- 2 Identification: **100DS21**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
**Stuart Quarry,**  
**Penderyn, Aberdare CF44 9JY**  
**Email: sales@wdlewisaberdare.co.uk**

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics            |                                      | Performance                                | Harmonized technical specification |
|--------------------------------------|--------------------------------------|--|------------------------------------|
| Dimensions (1)                       | Length                               | 440 mm                                     | EN 771-3: 2013                     |
|                                      | Width                                | 100mm                                      |                                    |
|                                      | Height                               | 215 mm                                     |                                    |
|                                      | Tolerance category                   | D1   |                                    |
| Configuration (1)                    | Shape and features                   | NPD  |                                    |
|                                      | Group according to EN 1996-1-1 (EC6) | Group 1                                    |                                    |
| Compressive strength(1)              | Mean compressive strength            | 21 N/mm <sup>2</sup>                       |                                    |
|                                      | Direction of load                    | Perpendicular to bed faces                 |                                    |
|                                      | Unit category                        | Category II                                |                                    |
| Dimensional stability (1)            |                                      | 0.5mm/m (measured value)                   |                                    |
| Bond strength (1)                    | Shear bond strength                  | 0.15N/mm <sup>2</sup><br>(tabulated value) |                                    |
|                                      | Flexural bond strength               | NPD  |                                    |
| Reaction to fire (2)                 |                                      | A1<br>(Commission Decision 2000/605/EC)    |                                    |
| Water absorption (3)                 |                                      | NPD  |                                    |
| Water vapour permeability (4)        |                                      | 5/15<br>(tabulated value)                  |                                    |
| Direct airborne sound insulation (5) | Gross density                        | 2000 kg/m <sup>3</sup>                     |                                    |
| (in end conditions )/ [Density       |                                      |  |                                    |

|  |  |  |  |
|--|--|--|--|
| and configuration]                                   | Configuration; dimensions and tolerances | See configuration  |  |
| Thermal resistance/ or density and configuration (6) |  | 1.00 $\lambda_{10, \text{dry, unit}}$<br>(tabulated value) |  |
| Durability against freeze/thaw                       |  | Pass   |  |
| Dangerous substances                                 |  | NPD  |  |

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name: Martin Lewis (Joint Managing Director)**

**Signature:**



**Valid From: Aberdare, 01.07.2013**





WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T. CF44 9JY

## BS EN 771-3

2013

Dense Concrete Hollow Blocks  $3.6\text{Nmm}^2$

140H3

CATEGORY II 440X215X140mm Concrete masonry units

### Dimension Tolerances:

|  |  |
|--|--|
| <i>Category:</i>                           | <i>D1</i>  |
| <i>Flatness:</i>                           | <i>NPD</i>                                       |
| <i>Parallesmelism:</i>                     | <i>NPD</i>                                       |
| <i>Configuration:</i>                      | <i>Solid</i>                                     |
| <i>Mean compressive strength:</i>          | <i><math>3.6\text{Nmm}^2</math></i>              |
| <i>Dimension Stability:</i>                | <i>Moister movement &lt; 0.55mm/m</i>            |
| <i>Shear Bond strength</i>                 | <i>Fixed value <math>0.15\text{Nmm}^2</math></i> |
| <i>Flexural bond strength:</i>             | <i>NPD</i>                                       |
| <i>Reaction to fire:</i>                   | <i>Euroclass A1</i>                              |
| <i>Water absorption:</i>                   | <i>NPD</i>                                       |
| <i>Water Vapour diffusion coefficient:</i> | <i>Fixed value 5/12</i>                          |
| <i>Direct airborne sound insulation:</i>   |  |
| <i>Gross density:</i>                      | <i>2000 kg/m</i>                                 |
| <i>Configuration:</i>                      | <i>As above</i>                                  |
| <i>Thermal Conductivity:</i>               | <i>1.32 W/mk</i>                                 |
| <i>Dangerous substance:</i>                | <i>NPD</i>                                       |



DECLARATION OF PERFORMANCE  
No. 140H3

- 1 Product type: **140H3**
- 2 Identification: **140H3**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
**Stuart Quarry,**  
**Penderyn, Aberdare CF44 9JY**  
**Email: sales@wdlewisaberdare.co.uk**

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics |                                      | Performance                                | Harmonized technical specification |
|---------------------------|--------------------------------------|--|------------------------------------|
| Dimensions (1)            | Length                               | 440 mm                                     | EN 771-3: 2013                     |
|                           | Width                                | 140mm                                      |                                    |
|                           | Height                               | 215 mm                                     |                                    |
|                           | Tolerance category                   | D1   |                                    |
| Configuration (1)         | Shape and features                   | NPD  |                                    |
|                           | Group according to EN 1996-1-1 (EC6) | Group 1                                    |                                    |
| Compressive strength(1)   | Mean compressive strength            | 3.6 N/mm <sup>2</sup>                      |                                    |
|                           | Direction of load                    | Perpendicular to bed faces                 |                                    |
|                           | Unit category                        | Category II                                |                                    |
| Dimensional stability (1) |                                      | 0.5mm/m (measured value)                   |                                    |
| Bond strength (1)         | Shear bond strength                  | 0.15N/mm <sup>2</sup><br>(tabulated value) |                                    |
|                           | Flexural bond strength               | NPD  |                                    |
| Reaction to fire (2)      |                                      | A1<br>(Commission Decision 2000/605/EC)    |                                    |
| Water absorption (3)      |                                      | NPD  |                                    |

|   |  |   |  |
|---|--|---|--|
| Water vapour permeability (4)   |  | 5/15<br>(tabulated value)                           |  |
| Direct airborne sound insulation (5)<br><br>(in end conditions )/ [Density and configuration] | Gross density                            | 2000 kg/m <sup>3</sup>                              |  |
|   | Configuration; dimensions and tolerances | See configuration                                   |  |
| Thermal resistance/ or density and configuration (6)  |  | 1.00 $\lambda_{10, dry, unit}$<br>(tabulated value) |  |
| Durability against freeze/thaw  |  | Not to be left exposed                              |  |
| Dangerous substances  |  | NPD   |  |

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name: Martin Lewis (Joint Managing Director)**

**Signature:**



**Valid From: Aberdare, 01.07.2013**



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T. CF44 9JY

**BS EN 771-3**

**2013**

**Dense Concrete Blocks 3.6Nmm<sup>2</sup>**

**100DS3**

**CATEGORY II 440X215X100mm Concrete masonry units**

**Dimension Tolerances:**

|  |  |
|--|--|
| <i>Category:</i>                           | <i>D1</i>                              |
| <i>Flatness:</i>                           | <i>NPD</i>                             |
| <i>Parallesmelism:</i>                     | <i>NPD</i>                             |
| <i>Configuration:</i>                      | <i>Solid</i>                           |
| <i>Mean compressive strength:</i>          | <i>3.6Nmm<sup>2</sup></i>              |
| <i>Dimension Stability:</i>                | <i>Moister movement &lt; 0.55mm/m</i>  |
| <i>Shear Bond strength</i>                 | <i>Fixed value 0.15Nmm<sup>2</sup></i> |
| <i>Flexural bond strength:</i>             | <i>NPD</i>                             |
| <i>Reaction to fire:</i>                   | <i>Euroclass A1</i>                    |
| <i>Water absorption:</i>                   | <i>NPD</i>                             |
| <i>Water Vapour diffusion coefficient:</i> | <i>Fixed value 5/12</i>                |
| <i>Direct airborne sound insulation:</i>   |  |
| <i>Gross density:</i>                      | <i>2000 kg/m</i>                       |
| <i>Configuration:</i>                      | <i>As above</i>                        |
| <i>Thermal Conductivity:</i>               | <i>1.12 W/mk</i>                       |
| <i>Dangerous substance:</i>                | <i>NPD</i>                             |



**DECLARATION OF PERFORMANCE**  
**No. 100DS3**

- 1 Product type: **100DS3**
- 2 Identification: **100DS3**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
**Stuart Quarry,**  
**Penderyn, Aberdare CF44 9JY**  
**Email: sales@wdlewisaberdare.co.uk**

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics  |                                      | Performance                                | Harmonized technical specification |
|--|--------------------------------------|--|------------------------------------|
| Dimensions (1)   | Length                               | 440 mm                                     | EN 771-3: 2013                     |
|  | Width                                | 100mm                                      |                                    |
|  | Height                               | 215 mm                                     |                                    |
|  | Tolerance category                   | D1   |                                    |
| Configuration (1)  | Shape and features                   | NPD  |                                    |
|  | Group according to EN 1996-1-1 (EC6) | Group 1                                    |                                    |
| Compressive strength(1)  | Mean compressive strength            | 3.6 N/mm <sup>2</sup>                      |                                    |
|  | Direction of load                    | Perpendicular to bed faces                 |                                    |
|  | Unit category                        | Category II                                |                                    |
| Dimensional stability (1)  |                                      | 0.5mm/m (measured value)                   |                                    |
| Bond strength (1)  | Shear bond strength                  | 0.15N/mm <sup>2</sup><br>(tabulated value) |                                    |
|  | Flexural bond strength               | NPD  |                                    |
| Reaction to fire (2)   |                                      | A1<br>(Commission Decision 2000/605/EC)    |                                    |
| Water absorption (3)   |                                      | NPD  |                                    |
| Water vapour permeability (4)  |                                      | 5/15<br>(tabulated value)                  |                                    |
| Direct airborne sound insulation (5)<br><br>(in end conditions )/ [Density | Gross density                        | 2000 kg/m <sup>3</sup>                     |                                    |

|  |  |  |  |
|--|--|--|--|
| and configuration]                                   | Configuration; dimensions and tolerances | See configuration  |  |
| Thermal resistance/ or density and configuration (6) |  | 1.00 $\lambda_{10, \text{dry, unit}}$<br>(tabulated value) |  |
| Durability against freeze/thaw                       |  | Pass   |  |
| Dangerous substances                                 |  | NPD  |  |

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name: Martin Lewis (Joint Managing Director)**

**Signature:**



**Valid From: Aberdare, 01.07.2013**

2013



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T. CF44 9JY

**BS EN 771-3**

**Dense Concrete Blocks 10.4N/mm<sup>2</sup>**

**100DS10**

**CATEGORY II 440X215X100mm Concrete masonry units**

Dimension Tolerances:

|  |  |
|--|--|
| <i>Category:</i>                           | <i>D1</i>                              |
| <i>Flatness:</i>                           | <i>NPD</i>                             |
| <i>Parallelmelism:</i>                     | <i>NPD</i>                             |
| <i>Configuration:</i>                      | <i>Solid</i>                           |
| <i>Mean compressive strength:</i>          | <i>10.4Nmm<sup>2</sup></i>             |
| <i>Dimension Stability:</i>                | <i>Moister movement &lt; 0.55mm/m</i>  |
| <i>Shear Bond strength</i>                 | <i>Fixed value 0.15Nmm<sup>2</sup></i> |
| <i>Flexural bond strength:</i>             | <i>NPD</i>                             |
| <i>Reaction to fire:</i>                   | <i>Euroclass A1</i>                    |
| <i>Water absorption:</i>                   | <i>NPD</i>                             |
| <i>Water Vapour diffusion coefficient:</i> | <i>Fixed value 5/12</i>                |
| <i>Direct airborne sound insulation:</i>   |  |
| <i>Gross density:</i>                      | <i>2000 kg/m</i>                       |
| <i>Configuration:</i>                      | <i>As above</i>                        |
| <i>Thermal Conductivity:</i>               | <i>1.12 W/mk</i>                       |
| <i>Dangerous substance:</i>                | <i>NPD</i>                             |



DECLARATION OF PERFORMANCE  
No. 100DS10

- 1 Product type: **100DS10**
- 2 Identification: **100DS10**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

**WDL Concrete Products Ltd**  
**Stuart Quarry,**  
**Penderyn, Aberdare CF44 9JY**  
**Email: sales@wdlewisaberdare.co.uk**

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

| Essential characteristics  |                                      | Performance                                | Harmonized technical specification |
|--|--------------------------------------|--|------------------------------------|
| Dimensions (1)   | Length                               | 440 mm                                     | EN 771-3: 2013                     |
|  | Width                                | 100mm                                      |                                    |
|  | Height                               | 215 mm                                     |                                    |
|  | Tolerance category                   | D1   |                                    |
| Configuration (1)  | Shape and features                   | NPD  |                                    |
|  | Group according to EN 1996-1-1 (EC6) | Group 1                                    |                                    |
| Compressive strength(1)  | Mean compressive strength            | 10.4 N/mm <sup>2</sup>                     |                                    |
|  | Direction of load                    | Perpendicular to bed faces                 |                                    |
|  | Unit category                        | Category II                                |                                    |
| Dimensional stability (1)  |                                      | 0.5mm/m (measured value)                   |                                    |
| Bond strength (1)  | Shear bond strength                  | 0.15N/mm <sup>2</sup><br>(tabulated value) |                                    |
|  | Flexural bond strength               | NPD  |                                    |
| Reaction to fire (2)   |                                      | A1<br>(Commission Decision 2000/605/EC)    |                                    |
| Water absorption (3)   |                                      | NPD  |                                    |
| Water vapour permeability (4)  |                                      | 5/15<br>(tabulated value)                  |                                    |
| Direct airborne sound insulation (5)<br><br>(in end conditions )/ [Density | Gross density                        | 2000 kg/m <sup>3</sup>                     |                                    |



|  |  |  |  |
|--|--|--|--|
| and configuration]                                   | Configuration; dimensions and tolerances | See configuration  |  |
| Thermal resistance/ or density and configuration (6) |  | 1.00 $\lambda_{10, \text{dry, unit}}$<br>(tabulated value) |  |
| Durability against freeze/thaw                       |  | Pass   |  |
| Dangerous substances                                 |  | NPD  |  |

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

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:

**Name:** Martin Lewis (Joint Managing Director)

**Signature:**



**Valid From:** Aberdare, 01.07.2013