

Declaration of Performance

UKCA - SCP150 - 01

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|---------------------------|---|
| 1. Product Type | Standard Grade Coursing Units |
| 2. Product identification | SCP150 |
| 3. Intended use | Load bearing and non-load bearing applications in all forms of walling including single leaf, cavity, partitions, retaining and basements |
| 4. Manufacturer | H+H UK Ltd, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ Tel: +44 1732 880333 Email: info@hhcelcon.co.uk |
| 5. System AVCP | 4 |
| 6. UK Designated Standard | BS EN 771-4:2011 + A1:2015 |

7. Declared Performance

| Essential characteristics | Performance | |
|--|--|-----|
| Dimensions | length, mm | 215 |
| | height, mm | 65 |
| | width, mm | 150 |
| Dimensional Tolerances | GPLM | |
| Compressive Strength unit category | II | |
| Mean compressive strength, N/mm ² | 3.6 | |
| Dimensional stability (shrinkage), mm/m | 0.4 | |
| Shear bond strength, N/mm ² | 0.15 with GPLM | |
| | 0.30 with TLM (Tabulated value according to EN 998-2) | |
| Reaction to fire | Euroclass A1 | |
| Water absorption, g/m ² s ^{0.5} | NPD | |
| Water vapour diffusion coefficient μ | 5/10 (Tabulated value according to EN1745) | |
| Durability (freeze-thaw resistance) | For use above and below ground level | |
| Gross dry bulk density, mean, kg/m ³ | 600 | |
| Form and shape | Solid Group 1 | |
| Thermal conductivity, $\lambda_{10,dry}$ (P=50%), W/mK | 0.13 | |

8. The performance of the product identified above is in conformity with the declared performance.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, as it has effect in the United Kingdom under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of H+H UK Limited

Calum Forsyth (Managing Director)

Borough Green, Kent

12 May 2021

Document Version : - 01: First issue

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| <p>H+H UK Ltd, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ</p> <p>21</p> <p>UKCA - SCP150 - 01</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>BS EN 771-4:2011 + A1:2015</p> <p>Standard Grade Coursing Units</p> <p>Load bearing and non-load bearing applications in all forms of walling including single leaf, cavity, partitions, retaining and basements</p> <p>Category II, autoclaved aerated concrete masonry unit</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Dimensions:</td> <td>(Length x Height x Width)</td> <td>215mm x 65mm x 150mm</td> </tr> <tr> <td>Dimensional tolerances:</td> <td>Category:</td> <td>GPLM</td> </tr> <tr> <td>Configuration:</td> <td></td> <td>Solid (Group 1 unit to EN1996-1-1)</td> </tr> <tr> <td>Compressive strength:</td> <td>Mean</td> <td>3.6 N/mm² (L bedface, whole unit) (Cat II)</td> </tr> <tr> <td>Dimension stability:</td> <td>Moisture movement:</td> <td>0.4 mm/m</td> </tr> <tr> <td rowspan="2">Bond strength (initial shear):</td> <td>Fixed Value</td> <td>0.15 N/mm² with GPLM</td> </tr> <tr> <td></td> <td>0.30 N/mm² with TLM</td> </tr> <tr> <td>Flexural Bond strength:</td> <td></td> <td>NPD</td> </tr> <tr> <td>Reaction to fire:</td> <td></td> <td>Euroclass A1</td> </tr> <tr> <td>Water absorption:</td> <td></td> <td>NPD</td> </tr> <tr> <td>Water vapour diffusion coefficient:</td> <td>Fixed Value</td> <td>5/10</td> </tr> <tr> <td>Gross density:</td> <td></td> <td>600 kg/m³</td> </tr> <tr> <td>Thermal conductivity:</td> <td></td> <td>0.13 W/mK ($\lambda_{10,dry}$)</td> </tr> <tr> <td>Durability:</td> <td></td> <td>For use above and below ground level</td> </tr> </table> | Dimensions: | (Length x Height x Width) | 215mm x 65mm x 150mm | Dimensional tolerances: | Category: | GPLM | Configuration: | | Solid (Group 1 unit to EN1996-1-1) | Compressive strength: | Mean | 3.6 N/mm ² (L bedface, whole unit) (Cat II) | Dimension stability: | Moisture movement: | 0.4 mm/m | Bond strength (initial shear): | Fixed Value | 0.15 N/mm ² with GPLM | | 0.30 N/mm ² with TLM | Flexural Bond strength: | | NPD | Reaction to fire: | | Euroclass A1 | Water absorption: | | NPD | Water vapour diffusion coefficient: | Fixed Value | 5/10 | Gross density: | | 600 kg/m ³ | Thermal conductivity: | | 0.13 W/mK ($\lambda_{10,dry}$) | Durability: | | For use above and below ground level |
| Dimensions: | (Length x Height x Width) | 215mm x 65mm x 150mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensional tolerances: | Category: | GPLM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Bond strength (initial shear): | Fixed Value | 0.15 N/mm ² with GPLM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.30 N/mm ² with TLM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flexural Bond strength: | | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Reaction to fire: | | Euroclass A1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water absorption: | | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water vapour diffusion coefficient: | Fixed Value | 5/10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gross density: | | 600 kg/m ³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thermal conductivity: | | 0.13 W/mK ($\lambda_{10,dry}$) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Durability: | | For use above and below ground level | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |