

# Declaration of Performance

## UKCA - SFC300 - 01

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|---------------------------|---|
| 1. Product Type           | <b>Standard Grade Foundation Blocks</b>   |
| 2. Product identification | <b>SFC300</b>   |
| 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           | <b>H+H UK Ltd, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ</b><br>Tel: +44 1732 880333 Email: info@hhcelcon.co.uk                    |
| 5. System AVCP            | 2+  |
| 6. UK Designated Standard | BS EN 771-4:2011 + A1:2015  |
| 7. UK Approved Body       | British Board of Agrément, PO Box 195, Bucknalls Lane, Garston, Watford, Herts WD25 7NG<br>(Approved Body reference N° 0836)              |
| 8. Declared Performance   |   |

Essential characteristics		Performance
Dimensions	length, mm	440
	height, mm	215
	width, mm	300
Dimensional Tolerances		GPLM
Compressive Strength unit category		II
Mean compressive strength, N/mm <sup>2</sup>		3.6
Dimensional stability (shrinkage), mm/m		0.4
Shear bond strength, N/mm <sup>2</sup>		0.15 with GPLM 0.30 with TLM (Tabulated value according to EN 998-2)
Reaction to fire		Euroclass A1
Water absorption, g/m <sup>2</sup> s <sup>0.5</sup>		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 <sup>3</sup>		600
Form and shape		Solid Group 1
Thermal conductivity, λ <sub>10,dry</sub> (P=50%), W/mK		0.13

9. 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

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<b>H+H UK Ltd, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ</b>  21  UKCA - SFC300 - 01																																									
BS EN 771-4:2011 + A1:2015  <b>Standard Grade Foundation Blocks</b>  Load bearing and non-load bearing applications in all forms of walling including single leaf, cavity, partitions, retaining and basements  Category II, autoclaved aerated concrete masonry unit  <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;"><b>Dimensions:</b></td> <td>(Length x Height x Width)</td> <td>440mm x 215mm x 300mm</td> </tr> <tr> <td><b>Dimensional tolerances:</b></td> <td>Category:</td> <td>GPLM</td> </tr> <tr> <td><b>Configuration:</b></td> <td></td> <td>Solid (Group 1 unit to EN1996-1-1)</td> </tr> <tr> <td><b>Compressive strength:</b></td> <td>Mean</td> <td>3.6 N/mm<sup>2</sup> (L bedface, whole unit) (Cat II)</td> </tr> <tr> <td><b>Dimension stability:</b></td> <td>Moisture movement:</td> <td>0.4 mm/m</td> </tr> <tr> <td rowspan="2"><b>Bond strength (initial shear):</b></td> <td>Fixed Value</td> <td>0.15 N/mm<sup>2</sup> with GPLM</td> </tr> <tr> <td></td> <td>0.30 N/mm<sup>2</sup> with TLM</td> </tr> <tr> <td><b>Flexural Bond strength:</b></td> <td></td> <td>NPD</td> </tr> <tr> <td><b>Reaction to fire:</b></td> <td></td> <td>Euroclass A1</td> </tr> <tr> <td><b>Water absorption:</b></td> <td></td> <td>NPD</td> </tr> <tr> <td><b>Water vapour diffusion coefficient:</b></td> <td>Fixed Value</td> <td>5/10</td> </tr> <tr> <td><b>Gross density:</b></td> <td></td> <td>600 kg/m<sup>3</sup></td> </tr> <tr> <td><b>Thermal conductivity:</b></td> <td></td> <td>0.13 W/mK (λ<sub>10,dry</sub>)</td> </tr> <tr> <td><b>Durability:</b></td> <td></td> <td>For use above and below ground level</td> </tr> </table>	<b>Dimensions:</b>	(Length x Height x Width)	440mm x 215mm x 300mm	<b>Dimensional tolerances:</b>	Category:	GPLM	<b>Configuration:</b>		Solid (Group 1 unit to EN1996-1-1)	<b>Compressive strength:</b>	Mean	3.6 N/mm <sup>2</sup> (L bedface, whole unit) (Cat II)	<b>Dimension stability:</b>	Moisture movement:	0.4 mm/m	<b>Bond strength (initial shear):</b>	Fixed Value	0.15 N/mm <sup>2</sup> with GPLM		0.30 N/mm <sup>2</sup> with TLM	<b>Flexural Bond strength:</b>		NPD	<b>Reaction to fire:</b>		Euroclass A1	<b>Water absorption:</b>		NPD	<b>Water vapour diffusion coefficient:</b>	Fixed Value	5/10	<b>Gross density:</b>		600 kg/m <sup>3</sup>	<b>Thermal conductivity:</b>		0.13 W/mK (λ <sub>10,dry</sub> )	<b>Durability:</b>		For use above and below ground level
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