

Declaration of Performance

UKCA - SCP100 - 01

1. Product Type	Standard Grade Coursing Units
2. Product identification	SCP100
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	100
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

UK CA																																									
H+H UK Ltd, Celcon House, Ightham, Sevenoaks, Kent, TN15 9HZ																																									
21																																									
UKCA - SCP100 - 01																																									
BS EN 771-4:2011 + A1:2015																																									
Standard Grade Coursing Units																																									
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%;">Dimensions:</td> <td>(Length x Height x Width)</td> <td>215mm x 65mm x 100mm</td> </tr> <tr> <td>Dimensional tolerances:</td> <td>Category:</td> <td>GPLM</td> </tr> <tr> <td>Configuration:</td> <td>Solid (Group 1 unit to EN1996-1-1)</td> <td></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 100mm	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 100mm																																							
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																																							