

# GreenLock™

RETAINING OUR ENVIRONMENT

## L7 PRODUCT DATA SHEET

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<b>PRODUCT CATEGORY</b>	:	<b>RETAINING WALL BLOCKS</b>
<b>PRODUCT NAME</b>	:	<b>RETAINING WALL BLOCK L7 GREY (HEAVY DUTY)</b>
<b>PRODUCT CODE</b>	:	<b>L7</b>
<b>DIMENSIONS</b>	:	<b>380mm Width x 395mm Depth x 220mm Height, 12mm lip</b>
<b>COMPRESSIVE STRENGTH</b>	:	<b>14 Mpa (CALCULATED ON NET SURFACE AREA)</b>
<b>MASS</b>	:	<b>38 Kg</b>
<b>NO./M2 (open lay out)</b>	:	<b>7.5 (225mm max. gap between blocks)</b>
<b>NO./M2 (closed lay out)</b>	:	<b>12 (No gap between the blocks)</b>
<b>WALL ANGLE</b>	:	<b>76 degrees (blocks against the lip) With Slider 68 and 58 degrees</b>
<b>NO./PALLET</b>	:	<b>36</b>
<b>INFILL VOLUME PER BLOCK</b>	:	<b>0.01586645 m3 say 0.016 m3</b>
<b>WALL MASS (open layout)</b>	:	<b>573 Kg/m2</b>
7.5 blocks/m2x38Kg=285Kg+180Kg infill weight = Total weight 465kg/m2 (Infill weight calculated @ 1500Kg/m3)		
add the infill between the blocks at approx. 0.012m3 (0.012m3 x 1500kg/m3 x 7.5) = 135kg x 80% =108kg + 465kg = 573kg/m2.		
<b>WALL MASS WITH SLIDER</b>	:	<b>650 Kg/m2</b>
7.5 sliders/m2 x 6.6Kg=50Kg + 135kg (0.012m3 full infill volume) = 185kg + 465Kg = 650Kg/m2		
<b>WALL MASS (closed lay out)</b>	:	<b>744 Kg/m2</b>
12 blocks/m2 x 38Kg = 456Kg + 288Kg infill weight (12 x 0.016m3 x 1500kg/m3) = 744Kg/m2		
<b>FRICTION COEFFICIENT</b>	:	<b>N/A (BECAUSE OF LIP)</b>
<b>SLIDER L7</b>	:	<b>Length 225mm x Height 220mm + 12mm lip. Weight 6.6kg</b>

