



Interfuse Limited  
80 High Street  
Syston  
LE7 1GS

EN771-3  
DoP: Optilyte Masonry Unit - Syston  
NB: None

100SO35SS  
140SO35SS  
100SO7SS  
140SO7SS

**Declaration of Performance**

**Optilyte Masonry Unit – Syston**

1. Product Type: **100S035SS – 100mm Solid Optilyte 3.6N**  
**140S035SS – 140mm Solid Optilyte 3.6N**  
**100S07SS – 100mm Solid Optilyte 7.3N**  
**140S07SS – 140mm Solid Optilyte 7.3N**

2. Identification: **100S035SS**  
**140S035SS**  
**100S07SS**  
**140S07SS**

3. Intended use: **in walls, columns and partitions**

4. Manufacturer: **Interfuse Limited, 80 High Street, Syston. LE7 1GS**

**Tel: 0116 2609666 e-mail: iancollard@interfuseblocks.com**

5. Authorised Representative: **Not applicable**

6. AVCP: **System 4**

7. Harmonized Standard: **EN771-3**

8. ETA: **Not Relevant**

9. The performance of the product identified in 1 and 2 is in conformity with the declared performance in 10.

10. Declaration of performance

<b>Essential Characteristics</b>		<b>Performance</b>	<b>Harmonized technical specification</b>
<b>Dimensions</b>	Length	440mm	EN 771-3:2013
	Width	100mm or 140mm	
	Height	215mm	
	Tolerance category	D1	
	Shape and features	NPD	
	Group according to EN1996-1-1 (EC6)	Group 1	

<b>Compressive strength</b>	Mean comp' strength	3.6 or 7.3 N/mm <sup>2</sup>	
	Direction of load	Perpendicular to bed face	
	Unit category	Category II	
<b>Dimensional stability</b>		<0.5m/mm	
<b>Bond strength</b>	Shear bond strength	0.15N/mm <sup>2</sup>	
	Flexural bond strength	NPD	
<b>Reaction to fire</b>		A1 (Commission decision 2000/605/EC)	
<b>Water absorption</b>		NPD	
<b>Water vapour permeability</b>		5/15 (tabulated value)	
<b>Direct airborne sound insulation</b> (Density and configuration)	Gross density	650kg/m <sup>3</sup>	
	Configuration: dimensions & tolerances	See configuration	
<b>Thermal resistance</b>		0.18 λ <sub>10</sub> , dry, unit (tabulated value)  These are dry values available in BS EN1745 and need to be corrected for equilibrium moisture content to arrive at a design value.	
<b>Durability against freeze/thaw</b>		Not suitable for exposed conditions	
<b>Dangerous substances</b>		NPD	
		EN 771-3:2013	

This declaration of performance is issued under the sole responsibility of the manufacturer identified in 4.

Signed on behalf of the manufacturer:

**Managing Director:**  
**Russell Pytches**



**Leicester 01/07/13**