

- Declaration of Performance Certificate Number: **0301**
1. Product-type: **100mm Morris CEMFREE Dense 7.3N**
2. Identification of the construction product: **Category I – Aggregate Concrete Masonry Unit**
3. Intended use or uses of the construction product: **Annex ZA - Masonry used in walls, columns and partitions**
4. Name, registered trade name or registered trade mark and contact address of the manufacturer:  
**S Morris Ltd, Tout Quarry, Charlton Adam, Somerton, Somerset, TA11 7AN**
5. In case of the declaration of performance concerning a construction product covered by a harmonised standard:  
**EN 771-3:2011+A1:2015 - Specification for masonry units. Aggregate concrete masonry units**
6. Declared performance

Essential Characteristics		Performance	Harmonised Technical Specification
Dimensions	Length (mm)	440	EN 771-3:2011 +A1:2015
	Width (mm)	100	
	Height (mm)	215	
Dimensional Tolerance		D1, Flatness NPD, Parallelism NPD	
Dimensional Stability	Moisture movement, N/mm <sup>2</sup>	0.60mm/m	
Configuration	Shape & features	NPD	
	Group according to EN 1996-1	Group 1	
Compressive Strength	Mean compressive Strength	7.3 N/mm <sup>2</sup>	
	Direction of Load	Perpendicular to bed face	
	Unit category	Category II	
Bond Strength	Shear bond strength	0.15 N/mm <sup>2</sup>	
	Flexural bond strength	NPD	
Reaction to fire		Euro Class A1 (Commission decision 2000/605/EC)	
Water Absorption		20 g/m <sup>2</sup> s	
Water Vapour Diffusion		5/15µ	
Direct Airborne Sound insulation	Gross density	1840 kg/m <sup>3</sup>	
	Configuration, dimensions & Tolerance	Configuration as above	
Thermal Conductivity,		1.0 W/m.K [ $\lambda_{10,dry}$ ] p = 50%	
Durability against freeze thaw		For use below and above ground	
Dangerous Substances		See Note	

Note: Information on dangerous substances will only be given when and where required in the appropriate form.

The performance of the product identified in points 1 and 2, are in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Certificate number: **0086-CPD-597868**

Certification Body details: BSI, Kitemark Court, Davy Ave, Knowlhill, Milton Keynes, MK5 8PP

The Aggregate Concrete Masonry products detailed above are compliant in accordance with the Assignment of Evaluation of Conformity under System 2+, Table ZA.2, EN 771-3:2011+A1:2015.



Darren Radford - Technical Manager, S. Morris Ltd 5<sup>th</sup> October 2022



**S Morris Ltd**  
**Tout Quarry, Charlton Adam,**  
**Somerton, Somerset, TA11 7AN**

**EN 771-3:2011+A1:2015**  
**100mm CEMFREE Dense 7.3N**  
**Category I – 440mm x 100mm x 215mm Aggregate Concrete Masonry Unit**  
**Annex ZA - Masonry used in walls, columns and partitions**

<b>Dimensions:</b>	Length;	440mm
	Width;	100mm
	Height;	215mm
<b>Dimensional Tolerance:</b>	Category;	D1 (Flatness NPD, Plane Parallelism NPD)
	Configuration;	Group 1
<b>Dimensional Stability:</b>	Moisture movement;	0.30mm/m
<b>Mean Compressive Strength:</b>	Characteristic;	7.3 N/mm <sup>2</sup> [⊥ bed face]
<b>Shear Bond:</b>	Fixed Value;	0.15 N/mm <sup>2</sup>
<b>Flexural Bond:</b>		NPD
<b>Reaction to Fire</b>		Euro class A1 (Commission decision 2000/605/EC)
<b>Water Absorption:</b>	Mean	20 g/m <sup>2</sup> s
<b>Water Vapour Diffusion:</b>		5/15μ
<b>Direct Airborne Sound Insulation:</b>		Typical Gross Dry 1850 kg/m <sup>3</sup> (Configuration as above)
<b>Thermal Conductivity:</b>		P=50% 1.0 W/ (m.k) [λ10, dry]
<b>Durability against freeze/ thaw:</b>		For use below and above ground
<b>Dangerous substances:</b>		See Note

Note: Information on Dangerous Substances will only be given out when and where required in the appropriate form. Refer to BS EN 771-3:2011, Annex ZA3.

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