

- Declaration of Performance Certificate Number: **0206**
1. Product-type: **140mm Dense 10.4N**
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<br>+A1 2015          |
|                                  | Width (mm)                            | 140   |                                    |
|                                  | Height (mm)                           | 215   |                                    |
| Dimensional Tolerance            |                                       | D1, Flatness NPD, Parallelism NPD               |                                    |
| Dimensional Stability            | Moisture movement                     | 0.30mm/m  |                                    |
| Configuration                    | Shape & features                      | NPD   |                                    |
|                                  | Group according to EN 1996-1          | Group 1   |                                    |
| Compressive Strength             | Mean compressive Strength             | 10.4 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           |                                       | 30/100µ   |                                    |
| Direct Airborne Sound insulation | Gross density                         | 1840 kg/m <sup>3</sup>                          |                                    |
|                                  | Configuration, dimensions & Tolerance | Configuration as above                          |                                    |
| Thermal Conductivity,            |                                       | 1.15 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 1<sup>st</sup> August 2021



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

**EN 771-3:2011+A1:2015**  
**140mm Dense 10.4N**  
**Category I – 440mm x 140mm x 215mm Aggregate Concrete Masonry Unit**  
**Annex ZA - Masonry used in walls, columns and partitions**

|  |                    |  |
|--|--------------------|--|
| <b>Dimensions:</b>                       | Length;            | 440mm  |
|  | Width;             | 140mm  |
|  | 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;    | 10.4 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>           |                    | 30/100μ  |
| <b>Direct Airborne Sound Insulation:</b> |                    | Typical Gross Dry 1840 kg/m <sup>3</sup><br>(Configuration as above) |
| <b>Thermal Conductivity:</b>             |                    | P=50% 1.15 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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