


# Declaration of Performance

DOP Ref. No.: 202405-DOP-ThermalLoadbearing9"D

Unique identification code of the product-type: Thermal Loadbearing 9" Double  
Intended use: In masonry walls, columns and partitions  
Manufacturer: R.A. & Sons Manufacturing Ltd  
Triq il-Gruwa  
Xewkija, Gozo  
Malta  
Authorised representative: Not applicable  
Harmonised standard: EN 771-3:2011+A1:2015  
System of AVCP: AVCP System 4

Declared performance:

| Essential characteristics   |  | Performance   |
|---|--|---|
| Dimensions (1)  | Length (mm)                                    | 461   |
|   | Width (mm)                                     | 229   |
|   | Height (mm)                                    | 254   |
|   | Tolerance category                             | D4  |
| Configuration (1)   | Shape and features                             |  |
|   | Group according to EN 1996-1-1 (EC6)           | Group 2   |
| Compressive strength (1)  | Mean compressive strength (N/mm <sup>2</sup> ) | 7.00  |
|   | Direction of load                              | Perpendicular to bed faces (in height of HMB)                                     |
|   | Unit category                                  | Category II   |
| Net dry density   | kg/m <sup>3</sup>                              | 1400 - 1600   |
| Gross dry density   | kg/m <sup>3</sup>                              | 1000 - 1100   |
| Dimensional stability (1)   |  | NPD   |
| Bond strength (1)   | Shear bond strength                            | NPD   |
|   | Flexural bond strength                         | NPD   |
| Reaction to fire (2)  |  | NPD   |
| Water absorption (3)  |  | NPD   |
| Water vapour permeability (4)   |  | NPD   |
| Direct airborne sound insulation (5)  |  | NPD   |
| Thermal resistance U-value (W/m <sup>2</sup> K)   |  | 0.435   |
| Durability against freeze / thaw  |  | NPD   |
| Dangerous substances  |  | NPD   |
| (1) for units intended to be used in elements subject to structural requirements                  |  |   |
| (2) for units intended to be used in element subject to fire requirements                         |  |   |
| (3) for units intended to be used in damp proof courses or in external elements with exposed face |  |   |
| (4) for units intended to be used in external elements  |  |   |
| (5) for units to be used in elements subject to acoustic requirements                             |  |   |

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, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer:

Signature: A. Attard  
Aleandro Attard

Date: 26/08/2024

Location: R.A. & Sons Manufacturing Ltd  
Triq il-Gruwa  
Xewkija, Gozo  
Malta