

# Declaration of Performance

DOP/5050246090810



Forterra Building Products Limited  
5 Grange Park Court, Roman Way  
Northampton, NN4 5EA

BS EN 771-1:2011 + A1:2015

**CHELSEA SMOKED RED STOCK**

18

Category II, U, 215 x 102.5 x 65mm, clay masonry units  
U Unit intended for use in unprotected masonry

**Dimensional tolerances:**

**Tolerance category:** T2

**Range category:** R1

**Compressive strength:** 25 N/mm<sup>2</sup> [ $\perp$  bed face]

**Water absorption:** 13 %

**Durability against freeze-thaw:** F2

**Active soluble salt content:** S2

**Reaction to fire:** Class A1

**Bond strength (Fixed value from EN 998-2):** 0.15 N/mm<sup>2</sup>

**Water vapour diffusion coefficient (EN 1745 table value):** 50/100

**Direct airborne sound insulation:**

**Gross density:** 1550 kg/m<sup>3</sup> (D1)

**Configuration:** Frogged 5-18% Voids

**Equivalent thermal conductivity:** 0.51 W/m.K [ $\lambda_{10,dry}$ ]

**Dimensional stability:** NPD

**Dangerous Substances:** NPD

**Other Information:** Dry weight per brick: 2.2 kg  
Bricks per pack: 495

See Also Declaration of Performance DOP/5057595002013

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

- Unique identification code of the product type:  
**CHELSEA SMOKED RED STOCK CLAY MASONRY UNITS, Unprotected U, Category II**
- Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4).  
**SMEACSR1600VO**
- Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: **Unprotected facing and rendered masonry, load bearing or non load bearing masonry structures including internal linings and partitions for building and civil engineering**
- Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):  
Forterra Building Products Limited  
5 Grange Park Court, Roman Way,  
Northampton, NN4 5EA
- System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:  
**System 4**

6. Declared Performance

Essential Characteristics	Performance	Harmonised Technical Specification
Dimensions and Dimensional Tolerance	215 x 102.5 x 65mm Tolerance Class T2 Range Class R1	EN 771-1: 2011 + A1:2015
Configuration	Frogged 5-18% Voids. Unit as shown in Figure 3c) of EN 771-1. Conforms to the requirements of Group 1 masonry units to EN 1996-1-1	
Compressive Strength	25 N/mm <sup>2</sup> (tested normal to the bed face of the unit) Cat II	
Dimensional Stability	NPD	
Bond Strength	Fixed 0.15 N/mm <sup>2</sup>	
Active Soluble Salts	Class S2	Commission Decision 2000/605/EC
Reaction to Fire	Class A1	
Water Absorption	13 % (external elements)	EN 771-1: 2011 + A1:2015
Water Vapour Permeability	50/100	
Direct Airborne Sound Insulation	Gross Dry Density 1550 kg/m <sup>3</sup> Configuration as above	
Equivalent Thermal Conductivity	0.51 W/m.K [ $\lambda_{10,dry}$ ]	
Durability Against Freeze Thaw	F2	
Dangerous Substances	NPD	

7. The performance of the product identified in points 1 and 2 is 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.

Signed for and on behalf of the manufacturer by:

**A C Cuthbert,**  
Quality Control Manager  
Place of Signing: Northampton, UK

28 July 2021