

1. Product type: Facing brick, group Opale T2
2. Type, batch of construction product: **Opale**
3. Intended use of the construction product: HD units for use in unprotected masonry walls, columns and partitions.
4. Name of manufacturer: Briqueteries de **Ploegsteert** SA · Rue du Touquet 228 · 7782 Ploegsteert · Belgium
6. AVCP: System 2+
7. Notified body: BCCA (nr. NB 0749) :
 - Initial inspection of the manufacturing plant and of the factory production control;
 - Continuous surveillance, assessment and evaluation of the factory production control;
 - Issued the certificate of conformity of the factory production control.

9. Declared performances:

ESSENTIAL CHARACTERISTICS		REQUIREMENTS	
Dimensions	mm	Length	215
		Width	102.5
		Height	65
Dimensional tolerances			T2
Range			R2
Flatness of the bed faces		%	1
Plane parallelism of the bed faces			2
Configuration		Vertically perforated unit	group 2
		Perforation	≤ 40
Gross dry density		kg/m ³	1280 - D2
Net dry density		kg/m ³	2000-D1
Compression strength		N/mm ²	Mean compression strength ⊥ perpendicular bed faces
			Shape factor / dimensions
		N/mm ²	Normalized compression strength ⊥ perpendicular bed faces
		Category	I
Moisture movement		mm/m	NPD
Bond strength		N/mm ²	Fixed values table EN998-2 ann C
Active soluble salts content			0,15 general purposes and light weight mortar / 0,30 thin layer mortar
Reaction to fire		Category	S2
Water absorption		%	A1
Initial rate of water absorption		kg/m ² .min	8
Thermal properties		W/m.K	Category
			0.5 < IW ≤ 1.5
		$\lambda_{10, \text{air}, \text{ref}}$	0.44
		$\lambda_{10, \text{air}, \text{ref}} (90/90)$	0.49
Durability against freeze/thaw: freeze/thaw resistance			F2
Dangerous substances			NPD
Water vapour permeability		Min. and max. value (EN1745, Table 1)	05/10

HARMONISED TECHNICAL SPECIFICATION - NBN EN 771-1:2011

ADDITIONAL NATIONAL TECHNICAL PROPERTIES, ACCORDING TO THE BENOR CERTIFICATE 86/201/581/A24-00-P/01		
Frost resistance: freezing and thawing cycles	NBN B 27-009	Very resistant
Efflorescence	NBN B 24-209	No efflorescence

Rules on security and protection:

Cutting with power tools may generate dust. This dust will contain silica of quartz particles which may constitute a health hazard. Persons undertaking works of this nature are advised to wear dust masks of class FFP3.



10. The performance of the product identified under 1 and 2 is in conformity with the declared performance under 9. This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in 4.

Signed for and on behalf of the manufacturer by Karel Rommel, Commercial Director, at Ploegsteert, on September 1st, 2014.

