

1. Product type: Facing brick, group Aloë T1
2. Type, batch of construction product: **Acer, Acer flamma, Acer rustica, Amarantica, Amaranthis rock, Avesnoise, Brunehaut, Brunehaut rock, Callenelle, Flandre, Hickleton Red Multi, Shamrock, Willemeau**
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		HARMONISED TECHNICAL SPECIFICATION : NBN EN 771-1:2011
Dimensions	mm	Length	215	
		Width	102.5	
		Height	65   71	
Dimensional tolerances			T1	
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/m³		1350-D2	
Net dry density	kg/m³		2000 - D1	
Compression strength	N/mm²	Mean compression strength ⊥ perpendicular bed faces	40	
		Shape factor / dimensions	0.8   0.9	
	N/mm²	Normalized compression strength ⊥ perpendicular bed faces	34   36	
		Category	I	
Moisture movement	mm/m		NPD	
Bond strength	N/mm²	Fixed values table EN998-2 ann C	0,15 general purposes and light weight mortar / 0,30 thin layer mortar	
Active soluble salts content		Category	S2	
Reaction to fire		Category	A1	
Water absorption	%		8	
Initial rate of water absorption	kg/m².min	Category	0.5 < IW ≤ 1.5	
Thermal properties	W/m.K	λ <sub>10, dry, unit</sub>	0.44	
		λ <sub>10, dry, unit (90/90)</sub>	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	

ADDITIONAL NATIONAL TECHNICAL PROPERTIES, ACCORDING TO THE BENOR CERTIFICATE BB/201/681/024-00-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 July 1st, 2013.

