



product name		Production location	
Castello Oranje		Beek	
A mix of different kinds of clay - "Brunsummer" and "Maas" - forms the basis for this facing brick. By using specific sand types for surface covering, the desired colour is achieved.			
Colour			
No description			
Format			
Moulding method		Hand form	
WF: 209 x 99 x 50 mm DF: 214 x 98 x 66 mm HF: 228 x 90 x 41 mm		From one series to another, the average size may slightly differ.	
Essential Characteristics - EN771-1			
		0620-CPR-53104/07	
Dimensions: tolerance category	T2		
Dimensions: range category	R1		
Active soluble salt	S2		
Average compressive strength	>20 N/mm <sup>2</sup>	Tested to the bed face	
Normalised compressive strength	>=15 N/mm <sup>2</sup>	Tested to the bed face	
Dimensional stability	NPD		
Bond Strength general	0,15 N/mm <sup>2</sup>	Value according EN998-2 Annex C	
Adhesive strength (mortar)	0,30 N/mm <sup>2</sup>	Value according EN998-2 Annex C	
Reaction to fire	A1	Category	
Water absorption	<= 12% m/md		
Water vapour permeability	50/100		
Net dry density	1850 kg/m <sup>3</sup> (D1)		
Gross dry density	1700 kg/m <sup>3</sup> (D1)		
Equivalent thermal conductivity	0,51 W/m.K	Value according EN1745, Annex A 50%	
Freeze/thaw resistance	F2		
Dangerous substances	NL-BSB	According Annex ZA.3	
Other Characteristics			
Initial rate of water absorption - Non-coated Brick	1,5 - 4.0 kg/m <sup>2</sup> .min (IW3)	Value according EN771-1:2011 - 5.3.8	
Initial rate of water absorption (kg/m <sup>2</sup> .min) - Coated Brick*	NPD	Value according EN771-1:2011 - 5.3.8	
Eq. Thermal Property 10, dry mass (90/90)	NPD		
Eq. Thermal Property 10, dry mass (lambda Ui)	NPD		
Eq. Thermal Property 10, dry mass (lambda Ue)	NPD		
			
Storage & handling		Cutting	
<ul style="list-style-type: none"> <li>- Store packs on a clean surface and cover them</li> <li>- Process from multiple packs at the same time</li> <li>- Follow the Vandersanden processing guidelines</li> </ul>		Cutting with power tools may generate dust. This dust may contain silica or quartz particulate which may constitute a hazard. Persons undertaking work of this nature are advised to wear dust masks (FFP3).	
<small>*All our Coated bricks are only coated on the facing sides. Coated products are specially labeled and recognisable with a "C" logo on the top left-hand side of the packaging. Always check if using coated or non-coated bricks. Match the mortar to the specified initial water absorption.</small>			