

Product name		Product group	Production location
Orea		L1	Lanklaar
The raw materials are excavated in Weichsel loam layers, the local loam of Aeolian origin dating from the Ice Age. This löss mainly consists of a silt-like fraction, suited ideally for the manufacturing of hand form bricks. By using specific sand types for surface covering, the desired colour is achieved.			
Colour			
Orange-red to red-purple with dark grey shades			
Format			
Moulding method		Hand form	
DF: 214 x 101 x 65 mm		Between batches the average size and color may slightly differ.	
Essential Characteristics - EN771-1			
 EN 771-1 - CPR-97884 NOBO 0063 (ex 0620)		 EN 771 - 1855-CPR-24914	
2+		2+	
Dimensional tolerances	T2		
Range	R1		
Active Soluble Salts	S2		
Mean Compressive strength	>= 20 N/mm²	Tested to the bed face	
Normalized Compressive strength	>= 20 N/mm²	Tested to the bed face	
Dimensional stability	NPD		
Bond Strength general	0,15 N/mm²		
Bond Strength thin layer	0,30 N/mm²		
Reaction to fire	A1	Category	
Water absorption	<= 14% m/md		
Water vapour permeability	5/10		
Net dry density	1740 kg/m³ (D1)		
Gross dry density	1630 kg/m³ (D1)		
Thermal conductivity Lambda 50/50	<=0,60 W/m.K		
Durability against freeze thaw	F2	EN 772-22	
Dangerous substances	NL-BSB	According to Annex ZA 3	
Other Characteristics			
Initial rate of water absorption - Non-coated Bricks	1,5 - 4.0 kg/m².min (IW3)	Value according EN771-1:2011 - 5.3.8	
Initial rate of water absorption - Coated bricks	0,5 - 1,5 kg/m².min (IW2)	Value according EN771-1:2011 - 5.3.8	
Freeze/thaw resistance - PTV 23-002	NPD	NBN 27-009	
Thermal conductivity Lambda 90/90	0,65 W/m.K		
Thermal conductivity Lambda Ui	0,697 W/m.K		
Thermal conductivity Lambda Ue	1,376 W/m.K		
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Storage & handling		Cutting	
<div>- Store packs on a clean surface and cover them</div> <div>- Process from multiple packs at the same time</div> <div>- Follow the Vandersanden processing guidelines</div>		Dry 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).	
<div>* 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.</div>			