VANDERSANDEN

Product name	Product group	Production location
Old Chapel	V5	Spouwen

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
a shade of orange, red, white and black with appearance of reclaimed brick

Format	
Moulding method	Hand form
M50: 190 x 89 x 49 mm	Between batches the average size and color may slightly differ.

Essential Characteristics - EN771-1		
CE	EN 771-1 - 0620-CPR-97882	
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	NPD	
Bond Strength thin layer	NPD	
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	
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	Zeer vorstbestand	B 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	

Storage & handling	Cutting
- Store packs on a clean surface and cover them - Process from multiple packs at the same time - Follow the Vandersanden processing guidelines	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).

*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.

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