

Product name		Product group	Production location
Carbon		V1	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 blue purple and anthracite			
Format			
Moulding method		Hand form	
WF50mm: 214 x 101 x 50 mm		Between batches the average size and color may slightly differ.	
Essential Characteristics - EN771-1			
	EN 771-1 - CPR-97882 NOBO 0063 (ex 0620)		 EN 771 - 1855-CPR-24913
	2+		2+
Dimensional tolerances		T2	
Range		R1	
Active Soluble Salts		S2	
Mean Compressive strength		$\geq 20 \text{ N/mm}^2$	Tested to the bed face
Normalized Compressive strength		$\geq 20 \text{ N/mm}^2$	Tested to the bed face
Dimensional stability		NPD	
Bond Strength general		NPD	
Bond Strength thin layer		NPD	
Reaction to fire		A1	Category
Water absorption		$\leq 14\% \text{ m/md}$	
Water vapour permeability		5/10	
Net dry density		$1740 \text{ kg/m}^3 \text{ (D1)}$	
Gross dry density		$1630 \text{ kg/m}^3 \text{ (D1)}$	
Thermal conductivity Lambda 50/50		$\leq 0,60 \text{ W/m.K}$	
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		$1,5 - 4.0 \text{ kg/m}^2 \cdot \text{min}$ (IW3)	Value according EN771-1:2011 - 5.3.8
Initial rate of water absorption - Coated bricks		$0,5 - 1,5 \text{ kg/m}^2 \cdot \text{min}$ (IW2)	Value according EN771-1:2011 - 5.3.8
Freeze/thaw resistance - PTV 23-002		Zeer vorstbest./Résist. élevée au gel	NBN 27-009
Thermal conductivity Lambda 90/90		$0,65 \text{ W/m.K}$	
Thermal conductivity Lambda Ui		$0,697 \text{ W/m.K}$	
Thermal conductivity Lambda Ue		$1,376 \text{ W/m.K}$	
			
Storage & handling		Cutting	
<ul style="list-style-type: none"> - Store packs on a clean surface and cover them - Process from multiple packs at the same time - Follow the Vandersanden processing guidelines 		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).	
* 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.			