

Product name		Product group	Production location
Volta		S4	Spijk
A mix of different kinds of clay forms the basis for this facing brick. This special mix of clays is ideally suited for the manufacturing of facing bricks. Due to the use of the waterstruck-technique the facing bricks sight will appear smoothly textured without sand coated surface.			
Colour			
Red with purple-blue and anthracite shades.			
Format			
Moulding method		Mould	
NF: 240 x 114 x 72 mm		Between batches the average size and color may slightly differ.	
Essential Characteristics - EN771-1			
	EN 771 - CPR-76485 - NOBO 0063 (ex 0620)		
2+		2+	
Dimensional tolerances		T2	
Range		R1	
Active Soluble Salts		S2	
Mean Compressive strength		$\geq 30 \text{ N/mm}^2$	Tested to the bed face
Normalized Compressive strength		$\geq 30 \text{ N/mm}^2$	Tested to the bed face
Dimensional stability		NPD	
Bond Strength general		$0,15 \text{ N/mm}^2$	
Bond Strength thin layer		$0,30 \text{ N/mm}^2$	
Reaction to fire		A1	Category
Water absorption		$\leq 7\% \text{ m/md}$	
Water vapour permeability		50/100	
Net dry density		$2000 \text{ kg/m}^3 \text{ (D1)}$	
Gross dry density		$1900 \text{ kg/m}^3 \text{ (D1)}$	
Thermal conductivity Lambda 50/50		$\leq 0,53 \text{ W/m.K}$	
Durability against freeze thaw		F2	
Dangerous substances		NL-BSB	According to Annex ZA 3
Other Characteristics			
Initial rate of water absorption - Non-coated Bricks		$0,5 - 1,5 \text{ kg/m}^2 \cdot \text{min}$ (IW2)	Value according EN771-1:2011 - 5.3.8
Initial rate of water absorption - Coated bricks		NPD	Value according EN771-1:2011 - 5.3.8
Freeze/thaw resistance - PTV 23-002		NPD	NBN 27-009
Thermal conductivity Lambda 90/90		NPD	
Thermal conductivity Lambda Ui		NPD	
Thermal conductivity 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).	
* 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.			