

Product name		Product group	Production location
Kepler		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			
Orange-red with white 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)		EN 771 - 1855-CPR-24911
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"> - 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.			