





product name		Production location	
50mm Handmade Milano		Hedikhuizen	
The bricks are mainly produced from alluvial clays from the sedimentary region of the river Meuse. The river eroded the Ardennes rock formations and carried along the eroded materials. In the flooded region of the river's lower course, these materials were eventually deposited as sediments. Judicious mixing of the clay deposits produces just the right kind of base material for the production of hand form bricks.			
Colour			
a shade of dark red and red brown to blue black with coral texture			
Format			
Moulding method		Hand form	
WF: 209 x 101 x51 mm ZERO: 204 x 100 x50 mm		Between batches the average size and color may slightly differ.	
Essential Characteristics - EN771-1			
		0620-CPR-97880	
Dimensional tolerances	T2		
Range	R1		
Active Soluble Salts	S2		
Mean Compressive strength	$\geq 10 \text{ N/mm}^2$	Tested to the bed face	
Normalized Compressive strength	$\geq 10 \text{ N/mm}^2$	Tested to the bed face	
Dimensional stability	NPD		
Bond Strength general	0,15 N/mm ²		
Bond Strength thin layer	0,30 N/mm ²		
Reaction to fire	A1	Category	
Water absorption	$\leq 15\% \text{ m/md}$		
Water vapour permeability	5/10		
Net dry density	1800 kg/m ³ (D1)		
Gross dry density	1690 kg/m ³ (D1)		
Thermal conductivity Lambda 50/50	$\leq 0,49 \text{ W/m.K}$		
Durability against freeze thaw	F2		
Dangerous substances	NL-BSB	According to Annex ZA 3	
Other Characteristics			
Initial rate of water absorption - Non-coated Bricks	1,5 - 4,0 kg/m ² .min (IW3)	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	NPD	B 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.			

product name		Production location
50mm Handmade Milano		Lanklaar
The bricks are mainly produced from alluvial clays from the sedimentary region of the river Meuse. The river eroded the Ardennes rock formations and carried along the eroded materials. In the flooded region of the river's lower course, these materials were eventually deposited as sediments. Judicious mixing of the clay deposits produces just the right kind of base material for the production of hand form bricks.		
Colour		
a shade of dark red and red brown to blue black with coral texture		
Format		
Moulding method		Hand form
WF: 210 x 100 x50 mm	Between batches the average size and color may slightly differ.	
Essential Characteristics - EN771-1		
		0620-CPR-97884
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	$0,15 \text{ N/mm}^2$	
Bond Strength thin layer	$0,30 \text{ N/mm}^2$	
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	
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	NPD	B 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 		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).
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