





product name		Production location	
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 x 51 mm DF: 213 x 103 x 66 mm WF Zero: 204 x 100 x 50 mm		Between batches the average size and color may slightly differ.	
Essential Characteristics - EN771-1			
		0620-CPR-97880	
Dimensions: tolerance category	T2		
Dimensions: range category	R1		
Active soluble salt	S2		
Average compressive strength	NPD	Tested to the bed face	
Normalised compressive strength	$\geq 10 \text{ N/mm}^2$	Tested to the bed face	
Dimensional stability	NPD		
Bond Strength general	$0,15 \text{ N/mm}^2$	Value according EN998-2 Annex C	
Adhesive strength (mortar)	$0,30 \text{ N/mm}^2$	Value according EN998-2 Annex C	
Reaction to fire	A1	Category	
Water absorption	$\leq 15\% \text{ m/md}$		
Water vapour permeability	5/10		
Net dry density	NPD		
Gross dry density	$1690 \text{ kg/m}^3 \text{ (D1)}$		
Equivalent thermal conductivity	$\leq 0,50 \text{ W/m.K}$	Value according EN1745, Annex A 50%	
Freeze/thaw resistance	F2		
Dangerous substances	NL-BSB	According Annex ZA.3	
Other Characteristics			
Initial rate of water absorption - Non-coated Brick	$4,0 - 8,0 \text{ kg/m}^2 \cdot \text{min (IW4)}$	Value according EN771-1:2011 - 5.3.8	
Initial rate of water absorption ($\text{kg/m}^2 \cdot \text{min}$) - Coated Brick*	NPD	Value according EN771-1:2011 - 5.3.8	
Eq. Thermal Property 10, dry mass (90/90)	NPD		
Eq. Thermal Property 10, dry mass (λ_{Di})	NPD		
Eq. Thermal Property 10, dry mass (λ_{De})	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	
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 x 50 mm		Between batches the average size and color may slightly differ.	
Essential Characteristics - EN771-1			
		0620-CPR-97884	
Dimensions: tolerance category	T2		
Dimensions: range category	R1		
Active soluble salt	S2		
Average compressive strength	$\geq 20 \text{ N/mm}^2$	Tested to the bed face	
Normalised compressive strength	$\geq 20 \text{ N/mm}^2$	Tested to the bed face	
Dimensional stability	NPD		
Bond Strength general	0,15 N/mm ²	Value according EN998-2 Annex C	
Adhesive strength (mortar)	0,30 N/mm ²	Value according EN998-2 Annex C	
Reaction to fire	A1	Category	
Water absorption	$\leq 14\% \text{ m/md}$		
Water vapour permeability	5/10		
Net dry density	1740 kg/m ³ (D1)		
Gross dry density	1630 kg/m ³ (D1)		
Equivalent thermal conductivity	$\leq 0,60 \text{ W/m.K}$	Value according EN1745, Annex A 50%	
Freeze/thaw resistance	F2		
Dangerous substances	NL-BSB	According Annex ZA.3	
Other Characteristics			
Initial rate of water absorption - Non-coated Brick	1,5 - 4,0 kg/m ² .min (IW3)	Value according EN771-1:2011 - 5.3.8	
Initial rate of water absorption (kg/m ² .min) - Coated Brick*	0,5 - 1,5 kg/m ² .min (IW2)	Value according EN771-1:2011 - 5.3.8	
Eq. Thermal Property 10, dry mass (90/90)	0,65 W/m.K		
Eq. Thermal Property 10, dry mass (lambda Ui)	0,697 W/m.K		
Eq. Thermal Property 10, dry mass (lambda Ue)	1,376 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).	
<small>*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.</small>			