VANDERSANDEN

product name	Production location
Handmade Java	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
unicoloured dark brown

Format	
Moulding method	Hand form
M50: 190 x 89 x 49 mm WF: 210 x 100 x 50 mm DF: 214 x 101 x 65 mm M65: 191 x 89 x 65 mm	Between batches the average size and color may slightly differ.

Essential Characteristics - EN771-1		
CE 0620-CPR-97882		
Dimensions: tolerance category	T2	
Dimensions: range category	R1	
Active soluble salt	S2	
Average compressive strength	>= 20 N/mm²	Tested to the bed face
Normalised compressive strength	>= 20 N/mm²	Tested to the bed face
Dimensional stability	NPD	
Bond Strength general	NPD	Value according EN998-2 Annex C
Adhesive strength (mortar)	NPD	Value according EN998-2 Annex C
Reaction to fire	A1	Category
Water absorption	<= 14% m/md	
Water vapour permeability	5/10	
Net dry density	1740 kg/m³ (D1)	
Gross dry density	1630 kg/m³ (D1)	
Equivalent thermal conductivity	<=0,60 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/m².min (IW3)	Value according EN771-1:2011 - 5.3.8
Initial rate of water absorption (kg/m².min) - Coated Brick*	0,5 - 1,5 kg/m².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
- 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.

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product name	Production location
Handmade Java	Hedikhuizen

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
unicoloured dark brown

Format	
Moulding method	Hand form
WF: 212 x 101 x 51 mm DF: 215 x 101 x 66 mm	Between batches the average size and color may slightly differ.

Essential Characteristics - EN771-1		
CE 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	>= 10 N/mm²	Tested to the bed face
Dimensional stability	NPD	
Bond Strength general	0,15 N/mm²	Value according EN998-2 Annex C
Adhesive strength (mortar)	0,30 N/mm²	Value according EN998-2 Annex C
Reaction to fire	A1	Category
Water absorption	<= 16% m/md	
Water vapour permeability	5/10	
Net dry density	NPD	
Gross dry density	1600 kg/m³ (D2)	
Equivalent thermal conductivity	<=0,41 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 kg/m².min (IW4)	Value according EN771-1:2011 - 5.3.8
Initial rate of water absorption (kg/m².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 (lambda Ui)	NPD	
Eq. Thermal Property 10, dry mass (lambda Ue)	NPD	

Storage & handling	Cutting
- 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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product name	Production location
Handmade Java	Lanklaar

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
unicoloured dark brown

Format	
Moulding method	Hand form
WF: 210 x 100 x 50 mm DF: 214 x 101 x 65 mm	Between batches the average size and color may slightly differ.

Essential Characteristics - EN771-1		
	CE 0620-CPR-97884	
Dimensions: tolerance category	T2	
Dimensions: range category	R1	
Active soluble salt	S2	
Average compressive strength	>= 20 N/mm²	Tested to the bed face
Normalised compressive strength	>= 20 N/mm²	Tested to the bed face
Dimensional stability	NPD	
Bond Strength general	0,15 N/mm²	Value according EN998-2 Annex C
Adhesive strength (mortar)	0,30 N/mm²	Value according EN998-2 Annex C
Reaction to fire	A1	Category
Water absorption	<= 14% m/md	
Water vapour permeability	5/10	
Net dry density	1740 kg/m³ (D1)	
Gross dry density	1630 kg/m³ (D1)	
Equivalent thermal conductivity	<=0,60 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/m².min (IW3)	Value according EN771-1:2011 - 5.3.8
Initial rate of water absorption (kg/m².min) - Coated Brick*	0,5 - 1,5 kg/m².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
- 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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product name	Production location
Handmade Java	Spijk

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
unicoloured dark brown

Format	
Moulding method	Hand form
WF: 212 x 101 x 51 mm DF: 215 x 101 x 68 mm	Between batches the average size and color may slightly differ.

Essential Characteristics - EN771-1		
CE 0620-CPR-76485		
Dimensions: tolerance category	T2	
Dimensions: range category	R1	
Active soluble salt	S2	
Average compressive strength	NPD	Tested to the bed face
Normalised compressive strength	>= 15 N/mm²	Tested to the bed face
Dimensional stability	NPD	
Bond Strength general	0,15 N/mm²	Value according EN998-2 Annex C
Adhesive strength (mortar)	0,30 N/mm²	Value according EN998-2 Annex C
Reaction to fire	A1	Category
Water absorption	<= 14% m/md	
Water vapour permeability	5/10	
Net dry density	1840 kg/m³ (D1)	
Gross dry density	1780 kg/m³ (D1)	
Equivalent thermal conductivity	<=0,51 W/m.K	Value according EN1745, Annex A 50%
Freeze/thaw resistance	F2	
Dangerous substances	NPD	According Annex ZA.3

Other Characteristics		
Initial rate of water absorption - Non-coated Brick	1,5 - 4,0 kg/m².min (IW3)	Value according EN771-1:2011 - 5.3.8
Initial rate of water absorption (kg/m².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 (lambda Ui)	NPD	
Eq. Thermal Property 10, dry mass (lambda Ue)	NPD	

Storage & handling	Cutting
- 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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