VANDERSANDEN

Product name	Product group	Production location
Boston	D1	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
unicoloured dark red

Format	
Moulding method	Hand form
WF: 209 x 101 x 51 mm DF: 215 x 101 x 66 mm NF: 240 x 115 x 71 mm ZERO: 204 x 100 x 50 mm	Between batches the average size and color may slightly differ.

Essential Characteristics - EN771-1		
CE 0620-CPR-97880		
Dimensional tolerances	T2	
Range	R1	
Active Soluble Salts	S2	
Mean Compressive strength	>= 10 N/mm²	Tested to the bed face
Normalized Compressive strength	>= 10 N/mm²	Tested to the bed face
Dimensional stability	NPD	
Bond Strength general	0,15 N/mm²	
Bond Strength thin layer	0,30 N/mm²	
Reaction to fire	A1	Category
Water absorption	<= 15% m/md	
Water vapour permeability	5/10	
Net dry density	1800 kg/m³ (D1)	
Gross dry density	1690 kg/m³ (D1)	
Thermal conductivity Lambda 50/50	<=0,49 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/m².min (IW3)	Value according EN771-1:2011 - 5.3.8
Initial rate of water absorption - Coated bricks	0,5 - 1,5 kg/m².min (IW2)	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
- 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.

VANDERSANDEN

Product name	Product group	Production location
Boston	S1	Spijk

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
unicoloured dark red

Format	
Moulding method	Hand form
WF: 215 x 103 x 51 mm DF: 216 x 103 x 67 mm	Between batches the average size and color may slightly differ.

Essential Characteristics - EN771-1		
CE 0620-CPR-76485		
Dimensional tolerances	T2	
Range	R1	
Active Soluble Salts	S2	
Mean Compressive strength	>= 10 N/mm²	Tested to the bed face
Normalized Compressive strength	>= 10 N/mm²	Tested to the bed face
Dimensional stability	NPD	
Bond Strength general	0,15 N/mm²	
Bond Strength thin layer	0,30 N/mm²	
Reaction to fire	A1	Category
Water absorption	<= 16% m/md	
Water vapour permeability	5/10	
Net dry density	1840 kg/m³ (D2)	
Gross dry density	1660 kg/m³ (D2)	
Thermal conductivity Lambda 50/50	<=0,51 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	4,0 - 8,0 kg/m².min (IW4)	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
- 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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VANDERSANDEN

Product name	Product group	Production location
Boston	V1	Spouwen

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
unicoloured dark red

Format	
Moulding method	Hand form
M50: 191 x 90 x 51 mm	Between batches the average size and color may slightly differ.

Essential Characteristics - EN771-1		
	CE 0620-CPR-97882	
Dimensional tolerances	T2	
Range	R1	
Active Soluble Salts	S2	
Mean Compressive strength	>= 20 N/mm²	Tested to the bed face
Normalized Compressive strength	>= 20 N/mm²	Tested to the bed face
Dimensional stability	NPD	
Bond Strength general	NPD	
Bond Strength thin layer	NPD	
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)	
Thermal conductivity Lambda 50/50	<=0,60 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/m².min (IW3)	Value according EN771-1:2011 - 5.3.8
Initial rate of water absorption - Coated bricks	0,5 - 1,5 kg/m².min (IW2)	Value according EN771-1:2011 - 5.3.8
Freeze/thaw resistance	Zeer vorstbestand	B 27-009
Thermal conductivity Lambda 90/90	0,65 W/m.K	
Thermal conductivity Lambda Ui	0,697 W/m.K	
Thermal conductivity 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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