

This hand-moulded facing brick is made from Limburger löss clay from the Kesselt tableland in the valley of the Meuse and revalue with raw materials from the Volcanic Eifel.

Aspect and structure

The facade bricks (non-perforated) have five sand covered sides and one oblong groove. The structure looks rugged with fine and irregular grooves in the sandy surface. The baking process takes place in a gas-heated tunnel oven under slightly reduced atmosphere.

Colour

The brick has a grey base, with colours ranging from silver grey, beige grey to mouse grey. The coloured effects are the result of sawdust and white, fine-grained sand.

Available types

Waal brick 50 (212.101.49)
Waal brick 65 (217.102.64)

Total per m²

± 75/m²
± 58/m²

Sizes on request (from ± 50.000 units)

Declared performance:							
Dimensions	M50	M65	RF	WV50	WV65		
Length	192	192	212	212	217	mm	
Width	91	91	101	101	102	mm	
Hight	49	64	39	49	64	mm	
Normalised compressive strength	cat. I, L	22	25	22	22	25	N/mm ²
Mean compressive strength		30					N/mm ²
Dimensional tolerance					T2		
Range category					R1		
Flatness of bed faces					NPD		
Plane parallelism of bed faces					NPD		
Gross dry density					1480 (D2)		kg/m ³
Net dry density					1600 (D2)		kg/m ³
Configuration					1		
Bond strength					0,30 / 0,15		N/mm ²
Thermal conductivity	(λ10,dry,mat) EN1745 Annex A				0,47 (S1)		W/mK
Thermal conductivity	(λ10,dry,mat(90,90))				0,44 (S2)		
Water vapour permeability					5/10		
[Durability : freeze/thaw resistance]					F2		
Water absorption					17		%
Initial rate of water absorption					3,5		kg/(m ² min)
Active soluble salt content					S2		
[Dimensional stability: Moisture movement]					NPD		mm/m
Reaction to fire					A1		
Dangerous substances					NPD		

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