

## U-Facing bricks category I

asu

Designation/Characteristics	Declaration/Measured Values	Requirements Standard
<b>Intended purpose</b>	For exposed masonry in a highly corrosive environment.	EN 771-1
<b>Manufacturer's designation</b>		
Name	galena geo ferrum liso	
Item number	K508WDF	
Product line	galena	
Colour group	brown	
Size L x W x H / mm	215 x 102 x 65	
Declaration	U facing brick Tm Rm D2 F2	EN 771-1
<b>Water absorption [mass-%]</b>	fulfilled	≤ 6 EN 771-1
<b>Durability/ Frost resistance</b>	fulfilled	DIN V 52252-3 100 freeze-thaw-cycles without variation
<b>Durability Class</b>	F2	
<b>Reaction to fire, Euro class</b>	A1	EN 771-1
<b>Work size</b>		EN 771-1
Length / mm	215	
Width / mm	103	
Height / mm	65	
<b>Limit deviations</b>		EN 771-1
Mean value class	Tm	
Length / mm	fulfilled	-9, + 4
Width / mm	fulfilled	± 5
Height / mm	fulfilled	± 3
Dimensional range class	Rm	
Length / mm	fulfilled	9
Width / mm	fulfilled	5
Height / mm	fulfilled	4
<b>Shape</b>	c)	EN 771-1
<b>Compressive strength</b>		
Compressive strength, Category	I	EN 771-1
Mean value [N/mm <sup>2</sup> ]	fulfilled	≥ 44
Stress direction	perpendicular to bed joint	
<b>Content of active soluble salts, class</b>	S2/S3	EN 771-1/ DIN 20000-401

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<b>Water vapour permeability</b>	50/100 $\mu$	EN 1745:2012
<b>Compound strength [N/mm<sup>2</sup>]</b>	NPD	EN 998-2
<b>Gross dry density</b> Mean value / kg/m <sup>3</sup>	1510	EN 771-1
Deviation class	D2	
Form, shape, dimensions, limit deviations	see above	
<b>Net dry density</b> Mean value / kg/m <sup>3</sup>	2350	EN 771-1
Deviation class	D2	
<b>Hazardous substances</b>	according to annex ZA 3	EN 771-1
<b>Thermal conductivity [W/(m · K)]</b>	NPD	EN 1745
<b>Type of brick</b>	vertically perforated clinker B	DIN 20000-401 /
<b>Compressive strength class</b>	28	DIN 105-100
<b>Raw density class</b>	1,6	
<b>Short description</b>	kHLzB 28 - 1,6 - 215 x 102,5 x 65 mm	

Bad Laer, 2019-05-02

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