

## Declaration of Performance

Nr. ABC04-3312231.1



- Unique identification code of the product type**  
grey masonry                      KHLZB 28-1,6  
240x90x52 mm  
Product name:                      Maderas
- Usage**  
U masonry, Category I, Load-bearing and non-load-bearing  
protected and unprotected masonry
- Manufacturer**  
Recker Ziegelwerk  
Berentelg & Hebrok OHG  
Mettinger Str. 135  
D - 49509 Recke
- System of assessment and verification of constancy of performance**  
System 2+
- Harmonized standard: EN 771-1:2011+A1:2015**  
**Notified body: NB 2510**

**6. Declared performance(s):**

Essential characteristics		Performance
Dimensions	Length/Width/Height (mm)	240x90x52
Limiting error	Category	Tm (L +5/-10,B +/-5,H +/-2)
Dimensions span	Category	Rm (L 10,B 5,H 3)
Form and shape	Form and property	Form c, Abs. 5.3.2
Compressive strength	Category	Category I bricks
	Medium compressive strength (N/mm <sup>2</sup> )	≥ 44
	Load direction	perpendicular to the bed joint
Usual moisture expansion	(mm/m)	NPD
Bond strength	(N/mm <sup>2</sup> )	NPD
Content of soluble salts	Bracket	S2
Fire behavior	Euro class	A1
water absorption	(M-%)	≤ 6
Water vapor permeability	(μ)	50/100
Airborne sound insulation		NPD
Gross dry density	Average (kg/m <sup>3</sup> )	1550
	Tolerances	D2
Net dry density	Average (kg/m <sup>3</sup> )	2300
	Tolerances	D2
Thermal Conductivity	(W/mK)	NPD
Resistance to frost	Bracket	F2
Dangerous substances		NPD

The performance of the identified product corresponds to the set of declared performance (s). The manufacturer specified above is solely responsible for drawing up this declaration of performance in accordance with Regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:

H. Berentelg  
executive Director

Recke, 01.10.2020

## Declaration of Performance

Nr. ABC04-3312261.1



- Unique identification code of the product type**  
grey masonry                      KHLZB 28-1,6  
240x65x52 mm  
Product name:                      Maderas
- Usage**  
U masonry, Category I, Load-bearing and non-load-bearing  
protected and unprotected masonry
- Manufacturer**  
Recker Ziegelwerk  
Berentelg & Hebrok OHG  
Mettinger Str. 135  
D - 49509 Recke
- System of assessment and verification of constancy of performance**  
System 2+
- Harmonized standard: EN 771-1:2011+A1:2015**  
**Notified body: NB 2510**

**6. Declared performance(s):**

Essential characteristics		Performance
Dimensions	Length/Width/Height (mm)	240x65x52
Limiting error	Category	Tm (L +5/-10,B +/-5,H +/-2)
Dimensions span	Category	Rm (L 10,B 5,H 3)
Form and shape	Form and property	Form c, Abs. 5.3.2
Compressive strength	Category	Category I bricks
	Medium compressive strength (N/mm <sup>2</sup> )	≥ 44
	Load direction	perpendicular to the bed joint
Usual moisture expansion	(mm/m)	NPD
Bond strength	(N/mm <sup>2</sup> )	NPD
Content of soluble salts	Bracket	S2
Fire behavior	Euro class	A1
water absorption	(M-%)	≤ 6
Water vapor permeability	(μ)	50/100
Airborne sound insulation		NPD
Gross dry density	Average (kg/m <sup>3</sup> )	1550
	Tolerances	D2
Net dry density	Average (kg/m <sup>3</sup> )	2300
	Tolerances	D2
Thermal Conductivity	(W/mK)	NPD
Resistance to frost	Bracket	F2
Dangerous substances		NPD

The performance of the identified product corresponds to the set of declared performance (s). The manufacturer specified above is solely responsible for drawing up this declaration of performance in accordance with Regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:

H. Berentelg  
executive Director

Recke, 01.10.2020

## Declaration of Performance

Nr. ABC04-3312271.1



- Unique identification code of the product type**  
grey masonry                      KHLZB 28-1,6  
240x65x40 mm  
Product name:                      Maderas
- Usage**  
U masonry, Category I, Load-bearing and non-load-bearing  
protected and unprotected masonry
- Manufacturer**  
Recker Ziegelwerk  
Berentelg & Hebrok OHG  
Mettinger Str. 135  
D - 49509 Recke
- System of assessment and verification of constancy of performance**  
System 2+
- Harmonized standard: EN 771-1:2011+A1:2015**  
**Notified body: NB 2510**

**6. Declared performance(s):**

Essential characteristics		Performance
Dimensions	Length/Width/Height (mm)	240x65x40
Limiting error	Category	Tm (L +5/-10,B +/-5,H +/-2)
Dimensions span	Category	Rm (L 10,B 5,H 3)
Form and shape	Form and property	Form c, Abs. 5.3.2
Compressive strength	Category	Category I bricks
	Medium compressive strength (N/mm <sup>2</sup> )	≥ 44
	Load direction	perpendicular to the bed joint
Usual moisture expansion	(mm/m)	NPD
Bond strength	(N/mm <sup>2</sup> )	NPD
Content of soluble salts	Bracket	S2
Fire behavior	Euro class	A1
water absorption	(M-%)	≤ 6
Water vapor permeability	(μ)	50/100
Airborne sound insulation		NPD
Gross dry density	Average (kg/m <sup>3</sup> )	1550
	Tolerances	D2
Net dry density	Average (kg/m <sup>3</sup> )	2300
	Tolerances	D2
Thermal Conductivity	(W/mK)	NPD
Resistance to frost	Bracket	F2
Dangerous substances		NPD

The performance of the identified product corresponds to the set of declared performance (s). The manufacturer specified above is solely responsible for drawing up this declaration of performance in accordance with Regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:

H. Berentelg  
executive Director

Recke, 01.10.2020

## Declaration of Performance

Nr. ABC04-3412171.1



**1. Unique identification code of the product type**

Product number: 3412171  
grey masonry KMZ ungelocht 28-2,2  
490x90x40 mm  
Product name: Maderas

**2. Usage**

U masonry, Category I, Load-bearing and non-load-bearing  
protected and unprotected masonry

**3. Manufacturer**

Recker Ziegelwerk  
Berentelg & Hebrok OHG  
Mettinger Str. 135  
D - 49509 Recke

**4. System of assessment and verification of constancy of performance**

System 2+

**5. Harmonized standard: EN 771-1:2011+A1:2015**

Notified body: NB 2510

**6. Declared performance(s):**

Essential characteristics		Performance
Dimensions	Length/Width/Height (mm)	490x90x40
Limiting error	Category	Tm (L +8/-10,B +/-5,H +/-2)
Dimensions span	Category	Rm (L 12,B 5,H 3)
Form and shape	Form and property	Form a, Abs. 5.3.2
Compressive strength	Category	Category I bricks
	Medium compressive strength (N/mm <sup>2</sup> )	≥ 44
	Load direction	perpendicular to the bed joint
Usual moisture expansion	(mm/m)	NPD
Bond strength	(N/mm <sup>2</sup> )	NPD
Content of soluble salts	Bracket	S2
Fire behavior	Euro class	A1
water absorption	(M-%)	≤ 6
Water vapor permeability	(μ)	50/100
Airborne sound insulation		NPD
Gross dry density	Average (kg/m <sup>3</sup> )	2150
	Tolerances	D2
Net dry density	Average (kg/m <sup>3</sup> )	2250
	Tolerances	D2
Thermal Conductivity	(W/mK)	NPD
Resistance to frost	Bracket	F2
Dangerous substances		NPD

The performance of the identified product corresponds to the set of declared performance (s). The manufacturer specified above is solely responsible for drawing up this declaration of performance in accordance with Regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:

H. Berentelg  
executive Director

Recke, 05.06.2024

## Declaration of Performance

Nr. ABC04-3512471.1



- Unique identification code of the product type**  
grey masonry                      KMZ gelocht 28-2,0  
365x90x40 mm  
Product name:                      Maderas
- Usage**  
U masonry, Category I, Load-bearing and non-load-bearing  
protected and unprotected masonry
- Manufacturer**  
Recker Ziegelwerk  
Berentelg & Hebrok OHG  
Mettinger Str. 135  
D - 49509 Recke
- System of assessment and verification of constancy of performance**  
System 2+
- Harmonized standard: EN 771-1:2011+A1:2015**  
**Notified body: NB 2510**

**6. Declared performance(s):**

Essential characteristics		Performance
Dimensions	Length/Width/Height (mm)	365x90x40
Limiting error	Category	Tm (L +8/-10,B +/-5,H +/-2)
Dimensions span	Category	Rm (L 12,B 5,H 3)
Form and shape	Form and property	Form c, Abs. 5.3.2
Compressive strength	Category	Category I bricks
	Medium compressive strength (N/mm <sup>2</sup> )	≥ 44
	Load direction	perpendicular to the bed joint
Usual moisture expansion	(mm/m)	NPD
Bond strength	(N/mm <sup>2</sup> )	NPD
Content of soluble salts	Bracket	S2
Fire behavior	Euro class	A1
water absorption	(M-%)	≤ 6
Water vapor permeability	(μ)	50/100
Airborne sound insulation		NPD
Gross dry density	Average (kg/m <sup>3</sup> )	1950
	Tolerances	D2
Net dry density	Average (kg/m <sup>3</sup> )	2300
	Tolerances	D2
Thermal Conductivity	(W/mK)	NPD
Resistance to frost	Bracket	F2
Dangerous substances		NPD

The performance of the identified product corresponds to the set of declared performance (s). The manufacturer specified above is solely responsible for drawing up this declaration of performance in accordance with Regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:

H. Berentelg  
executive Director

Recke, 12.05.2015

## Declaration of Performance

Nr. ABC04-3512581.1



- Unique identification code of the product type**  
grey masonry                      KMZ gelocht 28-2,0  
365x115x52 mm  
Product name:                      Maderas
- Usage**  
U masonry, Category I, Load-bearing and non-load-bearing  
protected and unprotected masonry
- Manufacturer**  
Recker Ziegelwerk  
Berentelg & Hebrok OHG  
Mettinger Str. 135  
D - 49509 Recke
- System of assessment and verification of constancy of performance**  
System 2+
- Harmonized standard: EN 771-1:2011+A1:2015**  
**Notified body: NB 2510**

**6. Declared performance(s):**

Essential characteristics		Performance
Dimensions	Length/Width/Height (mm)	365x115x52
Limiting error	Category	Tm (L +8/-10,B +/-5,H +/-2)
Dimensions span	Category	Rm (L 12,B 6,H 3)
Form and shape	Form and property	Form c, Abs. 5.3.2
Compressive strength	Category	Category I bricks
	Medium compressive strength (N/mm <sup>2</sup> )	≥ 44
	Load direction	perpendicular to the bed joint
Usual moisture expansion	(mm/m)	NPD
Bond strength	(N/mm <sup>2</sup> )	NPD
Content of soluble salts	Bracket	S2
Fire behavior	Euro class	A1
water absorption	(M-%)	≤ 6
Water vapor permeability	(μ)	50/100
Airborne sound insulation		NPD
Gross dry density	Average (kg/m <sup>3</sup> )	1950
	Tolerances	D2
Net dry density	Average (kg/m <sup>3</sup> )	2300
	Tolerances	D2
Thermal Conductivity	(W/mK)	NPD
Resistance to frost	Bracket	F2
Dangerous substances		NPD

The performance of the identified product corresponds to the set of declared performance (s). The manufacturer specified above is solely responsible for drawing up this declaration of performance in accordance with Regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:

H. Berentelg  
executive Director

Recke, 27.11.2024

## Declaration of Performance

Nr. ABC04-3512831.1



- Unique identification code of the product type**  
grey masonry                      KMZ gelocht 28-2,0  
365x90x52 mm  
Product name:                      Maderas
- Usage**  
U masonry, Category I, Load-bearing and non-load-bearing  
protected and unprotected masonry
- Manufacturer**  
Recker Ziegelwerk  
Berentelg & Hebrok OHG  
Mettinger Str. 135  
D - 49509 Recke
- System of assessment and verification of constancy of performance**  
System 2+
- Harmonized standard: EN 771-1:2011+A1:2015**  
**Notified body: NB 2510**

**6. Declared performance(s):**

Essential characteristics		Performance
Dimensions	Length/Width/Height (mm)	365x90x52
Limiting error	Category	Tm (L +8/-10,B +/-5,H +/-2)
Dimensions span	Category	Rm (L 12,B 5,H 3)
Form and shape	Form and property	Form c, Abs. 5.3.2
Compressive strength	Category	Category I bricks
	Medium compressive strength (N/mm <sup>2</sup> )	≥ 44
	Load direction	perpendicular to the bed joint
Usual moisture expansion	(mm/m)	NPD
Bond strength	(N/mm <sup>2</sup> )	NPD
Content of soluble salts	Bracket	S2
Fire behavior	Euro class	A1
water absorption	(M-%)	≤ 6
Water vapor permeability	(μ)	50/100
Airborne sound insulation		NPD
Gross dry density	Average (kg/m <sup>3</sup> )	1950
	Tolerances	D2
Net dry density	Average (kg/m <sup>3</sup> )	2300
	Tolerances	D2
Thermal Conductivity	(W/mK)	NPD
Resistance to frost	Bracket	F2
Dangerous substances		NPD

The performance of the identified product corresponds to the set of declared performance (s). The manufacturer specified above is solely responsible for drawing up this declaration of performance in accordance with Regulation (EU) No. 305/2011.

Signed for and on behalf of the manufacturer by:

H. Berentelg  
executive Director

Recke, 27.11.2024