

- Unique identification code of the product type:
 HD units, Category I,
 BS format, brick with single frog
- 2. Code for identification:

DOP code of the Declaration of Performance: 8.1 (see product label)

3. Intended use or uses of the construction product:

For use in load bearing and non-load bearing masonry, protected and unprotected masonry

Manufacturer:

Klinkerwerke H.W. Muhr GmbH & Co.KG Fackeldeystrasse 80-100 46446 Emmerich am Rhein

- 5. not relevant
- Attestation of conformity: System 2+
- 7. Notified body:

The notified body for the inhouse production control - N° 2510 - performed the initial inspection of the manufacturing plant and the inhouse production control. It performed the continuous surveillance, assessment and evaluation of the inhouse production control and issued the certificate of conformity of the inhouse production control N° 2510-CPR-311.

8. not relevant

9. Declared Performance

Declared Performance Essential Characteristics		Performance	Harmonized technical spe- cification
(Target) Dimensions	Length/Width/ Height [mm]	215/102,5/65	
Dimensional	Mean	T1	
Tolerance	Range Category	R1	
Configuration	1	Form b)	EN 771-1: 2011
Com-	Category	1	LIN 77 1-1. 2011
pressive	Mean [N/mm²]	≥ 20	
strenght	Direction of loading	Vertical to bed joint	
Moisture Mov	/ement	NPD	
	Bond strength [N/mm²] Tabulated value see attachment C		EN 998-2: 2010
Active soluble	e Salts	Class S2	EN 771-1: 2011
Reaction to f	Reaction to fire		
Water absorp	otion [mass-%]	≤ 15	EN 771-1: 2011
Water vapou	Water vapour permeability µ		EN 1745: 2012
	Mean [kg/m³]	1600	
Gross	Deviation	D1 (10%)	
dry density	Configuration and Tolerances	See above	
Net	Mean [kg/m³]	1800	
dry density	Deviation	D1 (10%)	EN 771-1: 2011
Thermal conductivity [W/mK]		NPD	
Durability / Freeze/thaw resistence		F2	
Dangerous substances		According to ZA.3	

 The performance of the product in accordance with points 1 and 2 corresponds with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer in accordance with point 4.

This document must be kept with the product!

Signed for and on behalf of the manufacturer by:

Emmerich, 2015-03-17

Maik Muhr - Managing Director



- Unique identification code of the product type:
 HD units, Category I,
 Dünnformat
- 2. Code for identification:

DOP code of the Declaration of Performance: 3 (see product label)

3. Intended use or uses of the construction product:

For use in load bearing and non-load bearing masonry, protected and unprotected masonry

4. Manufacturer:

Klinkerwerke H.W. Muhr GmbH & Co.KG Fackeldeystrasse 80-100 46446 Emmerich am Rhein

- 5. not relevant
- Attestation of conformity: System 2+
- 7. Notified body:

The notified body for the inhouse production control - N° 2510 - performed the initial inspection of the manufacturing plant and the inhouse production control. It performed the continuous surveillance, assessment and evaluation of the inhouse production control and issued the certificate of conformity of the inhouse production control N° 2510-CPR-311.

8. not relevant

9. Declared Performance

Declared Performance Essential Characteristics		Performance	Harmonized technical spe- cification
(Target) Dimensions	Length/Width/ Height [mm]	240/115/52	
Dimensional	Mean	T1	
Tolerance	Range Category	R1	
Configuration)	Form a)	EN 771-1: 2011
Com-	Category	1	EIN // I-1. 2011
pressive	Mean [N/mm ²]	≥ 25	
strenght	Direction of loading	Vertical to bed joint	
Moisture Mov	/ement	NPD	
Bond strengt Tabulated va	h [N/mm²] lue see attachment C	0,15	EN 998-2: 2010
Active soluble	e Salts	Class S2	EN 771-1: 2011
Reaction to f	Reaction to fire		
Water absorp	otion [mass-%]	≤ 12	EN 771-1: 2011
Water vapou	r permeability μ	50/100	EN 1745: 2012
	Mean [kg/m³]	1600	
Gross	Deviation	D1 (10%)	
dry density	Configuration and Tolerances	See above	
Thermal conductivity [W/mK]		NPD	EN 771-1: 2011
Durability / Freeze/thaw resistence		F2	
Dangerous substances		According to ZA.3	

10. The performance of the product in accordance with points 1 and 2 corresponds with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer in accordance with point 4.

This document must be kept with the product!

Signed for and on behalf of the manufacturer by:

Emmerich, 2015-03-20

Maik Muhr - Managing Director



- Unique identification code of the product type:
 HD units, Category I,
 Euro-Normalformat, brick with single frog
- Code for identification:DOP code of the Declaration of Performance:7 (see product label)
- Intended use or uses of the construction product:
 For use in load bearing and non-load bearing masonry, protected and unprotected masonry
- Manufacturer:
 Klinkerwerke H.W. Muhr GmbH & Co.KG
 Fackeldeystrasse 80-100
 46446 Emmerich am Rhein
- 5. not relevant
- Attestation of conformity: System 2+
- 7. Notified body:

The notified body for the inhouse production control - N° 2510 - performed the initial inspection of the manufacturing plant and the inhouse production control. It performed the continuous surveillance, assessment and evaluation of the inhouse production control and issued the certificate of conformity of the inhouse production control N° 2510-CPR-311.

8. not relevant

9. Declared Performance

Declared Performance Essential Characteristics		Performance	Harmonized technical spe- cification
(Target) Dimensions	Length/Width/ Height [mm]	240/100/71	
Dimensional	Mean	T1	
Tolerance	Range Category	R1	
Configuration	1	Form b)	EN 771-1: 2011
Com-	Category	1	LIN 77 1-1. 2011
pressive	Mean [N/mm²]	≥ 20	
strenght	Direction of loading	Vertical to bed joint	
Moisture Mov	/ement	NPD	
Bond strengt Tabulated va	h [N/mm²] lue see attachment C	0,15	EN 998-2: 2010
Active soluble	e Salts	Class S2	EN 771-1: 2011
Reaction to f	Reaction to fire		
Water absorp	otion [mass-%]	≤ 12	EN 771-1: 2011
Water vapou	r permeability μ	50/100	EN 1745: 2012
	Mean [kg/m³]	1600	
Gross	Deviation	D1 (10%)	
dry density	Configuration and Tolerances	See above	
Net	Mean [kg/m³]	1800	
dry density	Deviation	D1 (10%)	EN 771-1: 2011
Thermal conductivity [W/mK]		NPD	
Durability / Freeze/thaw resistence		F2	
Dangerous substances		According to ZA.3	

10. The performance of the product in accordance with points 1 and 2 corresponds with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer in accordance with point 4.

This document must be kept with the product!

Signed for and on behalf of the manufacturer by:

Emmerich, 2015-03-17

Maik Muhr - Managing Director



- Unique identification code of the product type:
 HD units, Category I,
 Normalformat
- 2. Code for identification:

DOP code of the Declaration of Performance: 5 (see product label)

3. Intended use or uses of the construction product:

For use in load bearing and non-load bearing masonry, protected and unprotected masonry

4. Manufacturer:

Klinkerwerke H.W. Muhr GmbH & Co.KG Fackeldeystrasse 80-100 46446 Emmerich am Rhein

- 5. not relevant
- Attestation of conformity: System 2+
- 7. Notified body:

The notified body for the inhouse production control - N° 2510 - performed the initial inspection of the manufacturing plant and the inhouse production control. It performed the continuous surveillance, assessment and evaluation of the inhouse production control and issued the certificate of conformity of the inhouse production control N° 2510-CPR-311.

8. not relevant

9. Declared Performance

Declared Performance Essential Characteristics		Performance	Harmonized technical spe- cification
(Target) Dimensions	Length/Width/ Height [mm]	240/115/71	
Dimensional	Mean	T1	
Tolerance	Range Category	R1	
Configuration		Form a)	FN 771-1: 2011
Com-	Category	1	LIN // I-1. 2011
pressive	Mean [N/mm²]	≥ 25	
strenght	Direction of loading	Vertical to bed joint	
Moisture Mov	rement	NPD	
	Bond strength [N/mm²] Tabulated value see attachment C		EN 998-2: 2010
Active soluble	Salts	Class S2	EN 771-1: 2011
Reaction to fi	Reaction to fire		
Water absorp	tion [mass-%]	≤ 12	EN 771-1: 2011
Water vapour	permeability µ	50/100	EN 1745: 2012
	Mean [kg/m³]	1600	
Gross	Deviation	D1 (10%)	
dry density	Configuration and Tolerances	See above	
Thermal conductivity [W/mK]		NPD	EN 771-1: 2011
Durability / Freeze/thaw	Durability / Freeze/thaw resistence		
Dangerous substances		According to ZA.3	

10. The performance of the product in accordance with points 1 and 2 corresponds with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer in accordance with point 4.

This document must be kept with the product!

Signed for and on behalf of the manufacturer by:

Emmerich, 2015-03-20

Maik Muhr - Managing Director



- Unique identification code of the product type:
 HD units, Category I,
 Normalformat, brick with single frog
- Code for identification:DOP code of the Declaration of Performance:6 (see product label)
- Intended use or uses of the construction product:
 For use in load bearing and non-load bearing masonry, protected and unprotected masonry
- Manufacturer:
 Klinkerwerke H.W. Muhr GmbH & Co.KG
 Fackeldeystrasse 80-100
 46446 Emmerich am Rhein
- 5. not relevant
- Attestation of conformity: System 2+
- 7. Notified body:

The notified body for the inhouse production control - $N^{\circ}2510$ - performed the initial inspection of the manufacturing plant and the inhouse production control. It performed the continuous surveillance, assessment and evaluation of the inhouse production control and issued the certificate of conformity of the inhouse production control $N^{\circ}2510\text{-CPR-}311$.

8. not relevant

9. Declared Performance

Declared Performance Essential Characteristics		Performance	Harmonized technical spe- cification
(Target) Dimensions	Length/Width/ Height [mm]	240/115/71	
Dimensional	Mean	T1	
Tolerance	Range Category	R1	
Configuration	1	Form b)	FN 771-1: 2011
Com-	Category	1	LIN // I-1. 2011
pressive	Mean [N/mm ²]	≥ 20	
strenght	Direction of loading	Vertical to bed joint	
Moisture Mov	/ement	NPD	
	Bond strength [N/mm²] Tabulated value see attachment C		EN 998-2: 2010
Active soluble	e Salts	Class S2	EN 771-1: 2011
Reaction to f	Reaction to fire		
Water absorp	otion [mass-%]	≤ 12	EN 771-1: 2011
Water vapou	r permeability μ	50/100	EN 1745: 2012
	Mean [kg/m³]	1600	EN 771-1: 2011
Gross	Deviation	D1 (10%)	
dry density	Configuration and Tolerances	See above	
Net	Mean [kg/m³]	1800	
dry density	Deviation	D1 (10%)	
Thermal conductivity [W/mK]		NPD	
Durability / Freeze/thaw resistence		F2	
Dangerous substances		According to ZA.3	

 The performance of the product in accordance with points 1 and 2 corresponds with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer in accordance with point 4.

This document must be kept with the product!

Signed for and on behalf of the manufacturer by:

Emmerich, 2015-03-17

Maik Muhr - Managing Director



- Unique identification code of the product type:
 HD units, Category I,
 Reichsformat
- 2. Code for identification:

DOP code of the Declaration of Performance: 4 (see product label)

3. Intended use or uses of the construction product:

For use in load bearing and non-load bearing masonry, protected and unprotected masonry

4. Manufacturer:

Klinkerwerke H.W. Muhr GmbH & Co.KG Fackeldeystrasse 80-100 46446 Emmerich am Rhein

- 5. not relevant
- Attestation of conformity: System 2+
- 7. Notified body:

The notified body for the inhouse production control - N° 2510 - performed the initial inspection of the manufacturing plant and the inhouse production control. It performed the continuous surveillance, assessment and evaluation of the inhouse production control and issued the certificate of conformity of the inhouse production control N° 2510-CPR-311.

8. not relevant

9. Declared Performance

Declared Performance Essential Characteristics		Performance	Harmonized technical spe- cification
(Target) Dimensions	Length/Width/ Height [mm]	240/115/65	
Dimensional	Mean	T1	
Tolerance	Range Category	R1	
Configuration		Form a)	FN 771-1: 2011
Com-	Category	1	EN // I-1. 2011
pressive	Mean [N/mm²]	≥ 25	
strenght	Direction of loading	Vertical to bed joint	
Moisture Mov	rement	NPD	
	Bond strength [N/mm²] Tabulated value see attachment C		EN 998-2: 2010
Active soluble	Salts	Class S2	EN 771-1: 2011
Reaction to fi	Reaction to fire		
Water absorp	tion [mass-%]	≤ 12	EN 771-1: 2011
Water vapour	permeability µ	50/100	EN 1745: 2012
	Mean [kg/m³]	1600	
Gross	Deviation	D1 (10%)	
dry density	Configuration and Tolerances	See above	
Thermal conductivity [W/mK]		NPD	EN 771-1: 2011
Durability / Freeze/thaw resistence		F2	
Dangerous substances		According to ZA.3	

10. The performance of the product in accordance with points 1 and 2 corresponds with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer in accordance with point 4.

This document must be kept with the product!

Signed for and on behalf of the manufacturer by:

Emmerich, 2015-03-20

Maik Muhr - Managing Director



- Unique identification code of the product type:
 HD units, Category I,
 Waaldickformat, brick with single frog
- Code for identification:DOP code of the Declaration of Performance:8 (see product label)
- Intended use or uses of the construction product:
 For use in load bearing and non-load bearing masonry, protected and unprotected masonry
- Manufacturer:
 Klinkerwerke H.W. Muhr GmbH & Co.KG
 Fackeldeystrasse 80-100
 46446 Emmerich am Rhein
- 5. not relevant
- Attestation of conformity: System 2+
- 7. Notified body:

The notified body for the inhouse production control - N° 2510 - performed the initial inspection of the manufacturing plant and the inhouse production control. It performed the continuous surveillance, assessment and evaluation of the inhouse production control and issued the certificate of conformity of the inhouse production control N° 2510-CPR-311.

8. not relevant

9. Declared Performance

Declared Performance Essential Characteristics		Performance	Harmonized technical spe- cification
(Target) Dimensions	Length/Width/ Height [mm]	210/100/65	
Dimensional	Mean	T1	
Tolerance	Range Category	R1	
Configuration	1	Form b)	EN 771-1: 2011
Com-	Category	1	EIN // I-1. 2011
pressive	Mean [N/mm ²]	≥ 20	
strenght	Direction of loading	Vertical to bed joint	
Moisture Mov	/ement	NPD	
	Bond strength [N/mm²] Tabulated value see attachment C		EN 998-2: 2010
Active soluble	e Salts	Class S2	EN 771-1: 2011
Reaction to f	Reaction to fire		
Water absorp	otion [mass-%]	≤ 12	EN 771-1: 2011
Water vapou	r permeability μ	50/100	EN 1745: 2012
	Mean [kg/m³]	1600	EN 771-1: 2011
Gross	Deviation	D1 (10%)	
dry density	Configuration and Tolerances	See above	
Net	Mean [kg/m³]	1800	
dry density	Deviation	D1 (10%)	
Thermal conductivity [W/mK]		NPD	
Durability / Freeze/thaw resistence		F2	
Dangerous substances		According to ZA.3	

10. The performance of the product in accordance with points 1 and 2 corresponds with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer in accordance with point 4.

This document must be kept with the product!

Signed for and on behalf of the manufacturer by:

Emmerich, 2015-03-20

Maik Muhr - Managing Director



- Unique identification code of the product type:
 HD units, Category I,
 Waalformat
- 2. Code for identification:

DOP code of the Declaration of Performance: 2 (see product label)

3. Intended use or uses of the construction product:

For use in load bearing and non-load bearing masonry, protected and unprotected masonry

4. Manufacturer:

Klinkerwerke H.W. Muhr GmbH & Co.KG Fackeldeystrasse 80-100 46446 Emmerich am Rhein

- 5. not relevant
- Attestation of conformity: System 2+
- 7. Notified body:

The notified body for the inhouse production control - N° 2510 - performed the initial inspection of the manufacturing plant and the inhouse production control. It performed the continuous surveillance, assessment and evaluation of the inhouse production control and issued the certificate of conformity of the inhouse production control N° 2510-CPR-311.

8. not relevant

9. Declared Performance

Declared Performance Essential Characteristics		Performance	Harmonized technical spe- cification
(Target) Dimensions	Length/Width/ Height [mm]	210/100/50	
Dimensional	Mean	T1	
Tolerance	Range Category	R1	
Configuration		Form a)	FN 771-1: 2011
Com-	Category	1	EN // I-1. 2011
pressive	Mean [N/mm²]	≥ 25	
strenght	Direction of loading	Vertical to bed joint	
Moisture Mov	rement	NPD	
	Bond strength [N/mm²] Tabulated value see attachment C		EN 998-2: 2010
Active soluble	Salts	Class S2	EN 771-1: 2011
Reaction to fi	Reaction to fire		
Water absorp	tion [mass-%]	≤ 12	EN 771-1: 2011
Water vapour	permeability µ	50/100	EN 1745: 2012
	Mean [kg/m³]	1600	
Gross	Deviation	D1 (10%)	
dry density	Configuration and Tolerances	See above	
Thermal conductivity [W/mK]		NPD	EN 771-1: 2011
Durability / Freeze/thaw resistence		F2	
Dangerous substances		According to ZA.3	

10. The performance of the product in accordance with points 1 and 2 corresponds with the declared performance in point 9.

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Emmerich, 2015-03-20

Maik Muhr - Managing Director