



WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T. CF44 9JY

BS EN 771-3

2013

Medium Density Coursing Bricks 3.6Nmm²

MDBRICK

CATEGORY II 215X65X100mm Concrete masonry units

Dimension Tolerances:

Category:	D1
Flatness:	NPD
Parallelmelism:	NPD
Configuration:	Solid
Mean compressive strength:	3.6Nmm²
Dimension Stability:	Moister movement < 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm²
Flexural bond strength:	NPD
Reaction to fire:	Euroclass A1
Water absorption:	NPD
Water Vapour diffusion coefficient:	Fixed value 5/12
Direct airborne sound insulation:	
Gross density:	1450 kg/m
Configuration:	As above
Thermal Conductivity:	0.45 W/mk
Dangerous substance:	NPD



DECLARATION OF PERFORMANCE
No. MDRICK

- 1 Product type: **MDBRICK**
- 2 Identification: **MDOBRICK**
3. Intended use: **in walls, columns and partitions**
4. Manufacturer

WDL Concrete Products Ltd
Stuart Quarry,
Penderyn, Aberdare CF44 9JY
Email: sales@wdlewisaberdare.co.uk

5. Authorised Representative: **Not applicable**
6. AVCP **System 4**
7. Harmonized standard: **EN 771-3**
8. ETA: **Not relevant**
9. Declared performance

Essential characteristics		Performance	Harmonized technical specification
Dimensions (1)	Length	215 mm	EN 771-3: 2013
	Width	100mm	
	Height	65 mm	
	Tolerance category	D1	
Configuration (1)	Shape and features	NPD	
	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	7.3 N/mm ²	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	
Dimensional stability (1)		0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm ² (tabulated value)	
	Flexural bond strength	NPD	
Reaction to fire (2)		A1 (Commission Decision 2000/605/EC)	
Water absorption (3)		NPD	
Water vapour permeability (4)		5/15 (tabulated value)	

Direct airborne sound insulation (5) (in end conditions)/ [Density and configuration]	Gross density	1450 kg/m ³	
	Configuration; dimensions and tolerances	See configuration	
Thermal resistance/ or density and configuration (6)		1.00 λ _{10, dry, unit} (tabulated value)	
Durability against freeze/thaw		Not to be left exposed	
Dangerous substances		NPD	

(1) for units intended to be used in elements subject to structural requirements

(2) for units intended to be used in elements subject to fire requirements

(3) for units intended to be used in damp proof courses or in external elements with an exposed face

(4) for units intended to be used in external elements

(5) for units to be used in elements subject to acoustic requirements

(6) for units intended to be used in elements subject to thermal insulation requirements

10. The performance of the product identified in 1 and 2 is in conformity with the declared performance in 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in 4.

Signed on behalf of the manufacturer:

Name: Martin Lewis (Joint Managing Director)

Signature:



Valid From: Aberdare, 01.07.2013