#### WDL (Concrete Products Ltd

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

### BS EN 771-3

#### 2013

### Dense Concrete Blocks standard 15Nmm<sup>2</sup>

#### 100S15

CATEGORY II 440X215X100mm Concrete masonry units

Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	15Nmm <sup>2</sup>
Dimension Stability:	Moister movement < 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.12 W/mk
Dangerous substance:	NPD

#### DECLARATION OF PERFORMANCE No. 100DS15

- 1 Product type: 100DS15
- 2 Identification: 100DS15
- 3. Intended use: in walls, columns and partitions
- 4. Manufacturer

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

Essential c	haracteristics	Performance	Harmonized technical specification
	Length	440 mm	
Dimensions (1)	Width	100mm	
Dimensions (1)	Height	215 mm	
	Tolerance category	D1	
	Shape and features	NPD	
Configuration (1)	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	14 N/mm²	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	EN 771-3: 2013
Dimensional stability (1)		0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm <sup>2</sup> (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)	Gross density	2000 kg/m <sup>3</sup>	
(in end conditions )/ [Density	,		

and configuration]	Configuration; dimensions and tolerances	See configuration	
Thermal resistance/ or der	nsity and configuration (6)	1.00 λ <sub>10, dry, unit</sub> (tabulated value)	_
Durability against freeze/t	haw	Pass	_
Dangerous substances		NPD	

(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

(c) for anticementative to be used in control of and 2 is in conformity with the deal

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:

Mfewi

WDL (Concrete Products Ltd

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

### BS EN 771-3

#### 2013

### Dense Concrete Blocks Standard 10.4Nmm<sup>2</sup>

#### 140S10

CATEGORY II 440X215X100mm Concrete masonry units

Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	10.4Nmm <sup>2</sup>
Dimension Stability:	Moister movement < 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.12 W/mk
Dangerous substance:	NPD

#### **DECLARATION OF PERFORMANCE** No. 140DS10

- Product type: 140DS10 1
- Identification: 140DS10 2
- Intended use: in walls, columns and partitions 3.
- 4. Manufacturer

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

Essential charact	eristics	Performance	Harmonized technical specification
	Length	440 mm	
Dimensions (1)	Width	140mm	
Dimensions (1)	Height	215 mm	
	Tolerance category	D1	
	Shape and features	NPD	
Configuration (1)	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	10.4 N/mm²	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	EN 771-3: 2013
Dimensional stability (1)		0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm <sup>2</sup> (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	2000 kg/m <sup>3</sup>	

	Configuration; dimensions and tolerances	See configuration
Thermal resistance/ or density and configuration (6)		1.00 λ <sub>10, dry, unit</sub> (tabulated value)
Durability against freeze/thaw		Not to be left exposed
Dangerous substances		NPD

(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:

Meuris

WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T.

### BS EN 771-3

#### 2013

### Dense Concrete Blocks Standard 7.3Nmm<sup>2</sup>

#### 140DP7

#### CATEGORY II 440X215X140mm Concrete masonry units

Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	7.3Nmm <sup>2</sup>
Dimension Stability:	Moister movement v 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.12 W/mk
Dangerous substance:	NPD

#### DECLARATION OF PERFORMANCE No. 140DS7

- 1 Product type: 140DS7
- 2 Identification: **140DS7**
- 3. Intended use: in walls, columns and partitions
- 4. Manufacturer

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

Essential charact	eristics	Performance	Harmonized technical specification
	Length	440 mm	
Dimensions (1)	Width	140mm	
Dimensions (1)	Height	215 mm	
	Tolerance category	D1	
	Shape and features	NPD	
Configuration (1)	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	7.3 N/mm²	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	EN 771-3: 2013
Dimensional stability (1)		0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm <sup>2</sup> (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	2000 kg/m <sup>3</sup>	

	Configuration; dimensions and tolerances	See configuration
Thermal resistance/ or density and configuration (6)		1.00 λ <sub>10, dry, unit</sub> (tabulated value)
Durability against freeze/thaw		Not to be left exposed
Dangerous substances		NPD

(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:

Mfewi

WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T.

### BS EN 771-3

#### 2013

### Dense Concrete Blocks Standard 14Nmm<sup>2</sup>

#### 140DS14

CATEGORY II 440X215X140mm Concrete masonry units

Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	14Nmm <sup>2</sup>
Dimension Stability:	Moister movement v 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.12 W/mk
Dangerous substance:	NPD

#### **DECLARATION OF PERFORMANCE** No. 140DS14

- Product type: 140DS14 1
- Identification: 140DS14 2
- Intended use: in walls, columns and partitions 3.
- 4. Manufacturer

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

Essential charact	eristics	Performance	Harmonized technical specification
	Length	440 mm	
Dimensions (1)	Width	140mm	
Dimensions (1)	Height	215 mm	
	Tolerance category	D1	
	Shape and features	NPD	
Configuration (1)	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	14 N/mm²	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	EN 771-3: 2013
Dimensional stability (1)		0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm <sup>2</sup> (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	2000 kg/m <sup>3</sup>	

	Configuration; dimensions and tolerances	See configuration
Thermal resistance/ or density and configuration (6)		1.00 λ <sub>10, dry, unit</sub> (tabulated value)
Durability against freeze/thaw		Not to be left exposed
Dangerous substances		NPD

(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:

WDL (Concrete Products Ltd

Stuart Quarry Penderyn Hirwaun R.C.T.

### BS EN 771-3

#### 2013

### Dense Concrete Hollow Blocks 3.6Nmm<sup>2</sup>

#### 215H3

CATEGORY II 440X215X215mm Concrete masonry units

Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	3.6Nmm <sup>2</sup>
Dimension Stability:	Moister movement v 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.12 W/mk
Dangerous substance:	NPD

#### **DECLARATION OF PERFORMANCE** No. 215H3

- Product type: **215H3** Identification: **215H3** 1
- 2
- Intended use: in walls, columns and partitions 3.
- 4. Manufacturer

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

Essential c	haracteristics	Performance	Harmonized technical specification
	Length	440 mm	
Dimensions (1)	Width	215mm	
	Height	215 mm	
	Tolerance category	D1	
0	Shape and features	NPD	
Configuration (1)	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	3.6 N/mm <sup>2</sup>	
	Direction of load	Perpendicular to bed faces	EN 771-3: 2013
	Unit category	Category II	
Dimensional stability (1)		0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm <sup>2</sup> (tabulated value)	
	Flexural bond strength	NPD	
Reaction to fire (2)	1	A1 (Commission Decision 2000/605/EC)	
Water absorption (3)		NPD	

Water vapour permeability (4)		5/15 (tabulated value)
Direct airborne sound insulation (5)	Gross density	2000 kg/m <sup>3</sup>
(in end conditions )/ [Density		
and configuration]	Configuration; dimensions and tolerances	See configuration
Thermal resistance/ or density a	nd configuration (6)	1.00 λ <sub>10, dry, unit</sub> (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:

Meuro

#### WDL (Concrete Products Ltd

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

### BS EN 771-3

#### 2013

### Dense Concrete Cellular Blocks 3.6Nmm<sup>2</sup>

#### 100CELL

CATEGORY II 440X215X100mm Concrete masonry units

Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	3.6Nmm <sup>2</sup>
Dimension Stability:	Moister movement < 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.32 W/mk
Dangerous substance:	NPD

#### **DECLARATION OF PERFORMANCE** No. 100CELL

- 1 Product type: 100CELL
- Identification: **100CELL** 2
- Intended use: in walls, columns and partitions 3.
- 4. Manufacturer

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

Essential c	haracteristics	Performance	Harmonized technical specification
	Length	440 mm	
Dimensione (1)	Width	100mm	
Dimensions (1)	Height	215 mm	
	Tolerance category	D1	
	Shape and features	NPD	
Configuration (1)	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	3.6 N/mm <sup>2</sup>	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	EN 771-3: 2013
Dimensional stability (1)		0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm <sup>2</sup> (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)	Gross density	2000 kg/m <sup>3</sup>	
(in end conditions )/ [Density	,		

and configuration]	Configuration; dimensions and tolerances	See configuration
Thermal resistance/ or dens	sity and configuration (6)	1.00 λ <sub>10, dry, unit</sub> (tabulated value)
Durability against freeze/th	aw	Not to be left exposed
Dangerous substances		NPD

(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)

Mouris

Signature:

#### WDL (Concrete Products Ltd

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

### BS EN 771-3

#### 2013

### Dense Concrete Blocks Standard 7.3N/mm<sup>2</sup>

#### 100DS7

CATEGORY II 440X215X100mm Concrete masonry units

Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	7.3Nmm <sup>2</sup>
Dimension Stability:	Moister movement < 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.12 W/mk
Dangerous substance:	NPD

#### DECLARATION OF PERFORMANCE No. 100DS7

- 1 Product type: **100DS7**
- 2 Identification: **100DS7**
- 3. Intended use: in walls, columns and partitions
- 4. Manufacturer

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

Essential c	haracteristics	Performance	Harmonized technical specification
	Length	440 mm	
Dimensions (1)	Width	100mm	
Dimensions (1)	Height	215 mm	
	Tolerance category	D1	
	Shape and features	NPD	
Configuration (1)	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	7.3 N/mm²	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	EN 771-3: 2013
Dimensional stability (1)		0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm <sup>2</sup> (tabulated value)	
	Flexural bond strength	NPD	
Reaction to fire (2)	1	A1 (Commission Decision 2000/605/EC)	
Water absorption (3)		NPD	
Water vapour permeability (	4)	5/15 (tabulated value)	
Direct airborne sound insulation (5)	Gross density	2000 kg/m <sup>3</sup>	
(in end conditions )/ [Density	y		

and configuration]	Configuration; dimensions and tolerances	See configuration
Thermal resistance/ or den	isity and configuration (6)	1.00 λ <sub>10, dry, unit</sub> (tabulated value)
Durability against freeze/tl	haw	Pass
Dangerous substances		NPD

(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:

Merris

WDL (Concrete Products Ltd

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

### BS EN 771-3

#### 2013

## Dense Concrete Blocks Standard 21/Nmm<sup>2</sup>

#### 100DS21

CATEGORY II 440X215X100mm Concrete masonry units

Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	21Nmm <sup>2</sup>
Dimension Stability:	Moister movement < 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.12 W/mk
Dangerous substance:	NPD

#### DECLARATION OF PERFORMANCE No. 100DS21

- 1 Product type: **100DS21**
- 2 Identification: **100DDS21**
- 3. Intended use: in walls, columns and partitions
- 4. Manufacturer

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

Essential c	haracteristics	Performance	Harmonized technical specification
	Length	440 mm	
Dimensione (1)	Width	100mm	
Dimensions (1)	Height	215 mm	
	Tolerance category	D1	
	Shape and features	NPD	
Configuration (1)	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	21 N/mm²	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	EN 771-3: 2013
Dimensional stability (1)	I	0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm <sup>2</sup> (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)	Gross density	2000 kg/m <sup>3</sup>	
(in end conditions )/ [Density	/		

and configuration]	Configuration; dimensions and tolerances	See configuration
Thermal resistance/ or den	isity and configuration (6)	1.00 λ <sub>10, dry, unit</sub> (tabulated value)
Durability against freeze/tl	haw	Pass
Dangerous substances		NPD

(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:

Merris

#### WDL (Concrete Products Ltd

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

### BS EN 771-3

#### 2013

## Dense Concrete Hollow Blocks 3.6Nmm<sup>2</sup>

#### 140H3

CATEGORY II 440X215X140mm Concrete masonry units

Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	3.6Nmm <sup>2</sup>
Dimension Stability:	Moister movement < 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.32 W/mk
Dangerous substance:	NPD

#### **DECLARATION OF PERFORMANCE** No. 140H3

- Product type: **140H3** Identification: **140H3** 1
- 2
- Intended use: in walls, columns and partitions 3.
- 4. Manufacturer

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

Length440 mmDimensions (1)Width140mmHeight215 mmTolerance categoryD1Tolerance categoryD1Shape and featuresNPDGroup according to EN 1996-1-1 (ECG)Group 1Compressive strength(1)Mean compressive strength3.6 N/mm²Direction of loadPerpendicular to bed facesDirection of loadPerpendicular to bed facesDimensional stability (1)0.5mm/m (measured value)Bond strength (1)Shear bond strength Flexural bond strength0.15N/mm² (tabulated value)Reaction to fire (2)Year absorption (3)NPD	Essential c	haracteristics	Performance	Harmonized technical specification
Width  140mm    Height  215 mm    Tolerance category  D1    Tolerance category  D1    Shape and features  NPD    Group according to EN 1996-1-1 (EC6)  Group 1    Compressive strength(1)  Mean compressive strength  3.6 N/mm <sup>2</sup> Direction of load  Perpendicular to bed faces  bed faces    Dimensional stability (1)  0.5mm/m (measured value)    Bond strength (1)  Shear bond strength Flexural bond strength  0.15N/mm <sup>2</sup> (tabulated value)    Reaction to fire (2)  A1 (Commission Decision 2000/605/EC)		Length	440 mm	
Image: Tolerance category    D1      Tolerance category    D1      Image: Tolerance category    D1      Shape and features    NPD      Group according to EN 1996-1-1 (EC6)    Group 1      Compressive strength(1)    Mean compressive strength    3.6 N/mm²      Direction of load    Perpendicular to bed faces    bed      Unit category    Category II      Dimensional stability (1)    0.5mm/m (measured value)      Flexural bond strength    0.15N/mm² (tabulated value)      Flexural bond strength    NPD      Reaction to fire (2)    A1 (Commission Decision 2000/605/EC)	Dimensions (1)	Width	140mm	
Configuration (1)    Shape and features    NPD      Group according to EN 1996-1-1 (ECG)    Group 1      Compressive strength(1)    Mean compressive strength    3.6 N/mm²      Direction of load    Perpendicular to bed faces    bed      Dimensional stability (1)    0.5mm/m (measured value)      Bond strength (1)    Shear bond strength    0.15N/mm² (tabulated value)      Flexural bond strength    NPD      Reaction to fire (2)    A1 (Commission Decision 2000/605/EC)		Height	215 mm	
Configuration (1)    Group according to EN 1996-1-1 (EC6)    Group 1      Compressive strength(1)    Mean compressive strength    3.6 N/mm²      Direction of load    Perpendicular to bed faces    bed      Unit category    Category II      Dimensional stability (1)    0.5mm/m (measured value)      Bond strength (1)    Shear bond strength    0.15N/mm² (tabulated value)      Flexural bond strength    NPD      Reaction to fire (2)    A1 (Commission Decision 2000/605/EC)		Tolerance category	D1	
Group according to EN 1996-1-1 (EC6)    Group 1      Compressive strength(1)    Mean compressive strength    3.6 N/mm²      Direction of load    Perpendicular faces    bed faces      Unit category    Category II      Dimensional stability (1)    0.5mm/m (measured value)      Bond strength (1)    Shear bond strength    0.15N/mm² (tabulated value)      Flexural bond strength    NPD      Reaction to fire (2)    A1 (Commission Decision 	Configuration (1)	Shape and features	NPD	
strength  EN 771-3: 2013    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/mm² (tabulated value)    Flexural bond strength  NPD    Reaction to fire (2)  A1 (Commission Decision 2000/605/EC)	Configuration (1)		Group 1	
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/mm² (tabulated value)    Flexural bond strength  NPD    Reaction to fire (2)  A1 (Commission Decision 2000/605/EC)	Compressive strength(1)		3.6 N/mm²	
Unit category  Category II    Dimensional stability (1)  0.5mm/m (measured value)    Bond strength (1)  Shear bond strength  0.15N/mm² (tabulated value)    Flexural bond strength  NPD    Reaction to fire (2)  A1 (Commission Decision 2000/605/EC)		Direction of load	-	EN 771-3: 2013
Bond strength (1) Shear bond strength 0.15N/mm <sup>2</sup> (tabulated value) Flexural bond strength NPD Reaction to fire (2) A1 (Commission Decision 2000/605/EC)		Unit category		
Bind Strength  (tabulated value)    Flexural bond strength  NPD    Reaction to fire (2)  A1 (Commission Decision 2000/605/EC)	Dimensional stability (1)		0.5mm/m (measured value)	
Reaction to fire (2) A1 (Commission Decision 2000/605/EC)	Bond strength (1)	Shear bond strength		
(Commission Decision 2000/605/EC)		Flexural bond strength	NPD	
Water absorption (3) NPD	Reaction to fire (2)	1	(Commission Decision	
	Water absorption (3)		NPD	

Water vapour permeability (4)		5/15 (tabulated value)
Direct airborne sound insulation (5)	Gross density	2000 kg/m <sup>3</sup>
(in end conditions )/ [Density		
and configuration]	Configuration; dimensions and tolerances	See configuration
Thermal resistance/ or density a	nd configuration (6)	1.00 λ <sub>10, dry, unit</sub> (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:

Mouris

Valid From:

Aberdare, 01.07.2013

WDL (Concrete Products Ltd

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

### BS EN 771-3

#### 2013

## Dense Concrete Blocks 3.6Nmm<sup>2</sup>

### 100DS3

#### CATEGORY II 440X215X100mm Concrete masonry units

Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	3.6Nmm <sup>2</sup>
Dimension Stability:	Moister movement < 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.12 W/mk
Dangerous substance:	NPD

#### DECLARATION OF PERFORMANCE No. 100DS3

- 1 Product type: **100DS3**
- 2 Identification: **100DS3**
- 3. Intended use: in walls, columns and partitions
- 4. Manufacturer

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

Essential c	haracteristics	Performance	Harmonized technical specification
	Length	440 mm	
Dimensions (1)	Width	100mm	
Dimensions (1)	Height	215 mm	
	Tolerance category	D1	
	Shape and features	NPD	
Configuration (1)	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	3.6 N/mm²	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	EN 771-3: 2013
Dimensional stability (1)	I	0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm <sup>2</sup> (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)	Gross density	2000 kg/m <sup>3</sup>	
(in end conditions )/ [Density	/		

and configuration]	Configuration; dimensions and tolerances	See configuration	
Thermal resistance/ or der	nsity and configuration (6)	1.00 λ <sub>10, dry, unit</sub> (tabulated value)	_
Durability against freeze/t	haw	Pass	_
Dangerous substances		NPD	

(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:

Mfewi

## 2013

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WDL (Concrete Products Ltd

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

### BS EN 771-3

## Dense Concrete Blocks 10.4N/mm<sup>2</sup>

### 100DS10

CATEGORY II 440X215X100mm Concrete masonry units

Dimension Tolerances:	
Category:	D1
Flatness:	NPD
Parallesmelism:	NPD
Configuration:	Solid
Mean compressive strength:	10.4Nmm <sup>2</sup>
Dimension Stability:	Moister movement < 0.55mm/m
Shear Bond strength	Fixed value 0.15Nmm <sup>2</sup>
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:	2000 kg/m
Configuration:	As above
Thermal Conductivity:	1.12 W/mk
Dangerous substance:	NPD

#### DECLARATION OF PERFORMANCE No. 100DS10

- 1 Product type: 100DS10
- 2 Identification: 100DS10
- 3. Intended use: in walls, columns and partitions
- 4. Manufacturer

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

Essential c	haracteristics	Performance	Harmonized technical specification
	Length	440 mm	
Dimensione (1)	Width	100mm	
Dimensions (1)	Height	215 mm	
	Tolerance category	D1	
	Shape and features	NPD	
Configuration (1)	Group according to EN 1996-1-1 (EC6)	Group 1	
Compressive strength(1)	Mean compressive strength	10.4 N/mm <sup>2</sup>	
	Direction of load	Perpendicular to bed faces	
	Unit category	Category II	EN 771-3: 2013
Dimensional stability (1)		0.5mm/m (measured value)	
Bond strength (1)	Shear bond strength	0.15N/mm <sup>2</sup> (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)	Gross density	2000 kg/m <sup>3</sup>	
(in end conditions )/ [Density	,		

and configuration]	Configuration; dimensions and tolerances	See configuration
Thermal resistance/ or den	isity and configuration (6)	1.00 λ <sub>10, dry, unit</sub> (tabulated value)
Durability against freeze/thaw		Pass
Dangerous substances		NPD

(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:

Mbersi