

Certificate Number: DOP/F/FP-Blocks/JL143

The undersigned, representing the following:

Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton NN4 5EA

Confirms that:

BS EN 771-4:2011

JI 143 Spacer Block used in the walls Manufacturing Plant:Hams Hall

13

Product Name: JL143 Blocks

Conforms to harmonised European Standard: BS EN 771-4:2011

Category II: 440 x 142.5 x140 mm Autoclaved aerated concrete masonry units

Provision to which the product conforms: Standard: BS EN 771-4:2011

Mean 7.30 N/mm² [⊥bed face]

Regulation (EU) No. 305 / 2011

Dimensions: 440(mm) x 100(mm) x 140(mm)

Dimensional Tolerances:

Category: GPLM NPD Flatness:

Parallelism: NPD Configuration: Solid

Compressive Strength:

Dimensional Stability: mean 0.40 mm/m Moisture movement:

0.15 N/mm² Shear bond Strength: Fixed Value

Flexural bond Strength: NPD

Reaction to fire: Euroclass A1

Water Absorption: NPD

Water vapour diffusion coefficient: Fixed Value 5/15

Direct airborne sound insulation: Gross density: 730kg/m³

Configuration: As Above

0.16 W/m.K[λ10,dry] Thermal Conductivity:

Dangerous Substances: See Note

Note information on Dangerous Substances will only be given when and where required in the appropriate form.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacture's instructions.

Signed on behalf of the manufacture:

Full name:

Matthew Clay

Position: Managing Director (Design Solutions) 06 June 2017

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Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton

13

BS EN 771-4:2011

JI 143 Spacer Block used in the walls

Product Name: JL143 Blocks

Category II: 440 x 142.5 x140 mm Autoclaved aerated concrete masonry units

Dimensions : 440(mm) x 100(mm) x 140(mm)

Dimensional Tolerances :

Category: GPLM Flatness: NPD

Parallelism: NPD Solid

Configuration:

Compressive Strength: Mean 7.30 N/mm² [⊥bed face]

Dimensional Stability: Moisture movement: mean 0.40 mm/m

Shear bond Strength: Fixed Value 0.15 N/mm²

Flexural bond Strength: NPD Reaction to fire: Euroclass A1 Water Absorption: NPD

Water vapour diffusion coefficient: Fixed Value 5/15 Direct airborne sound insulation:

Gross density: 730kg/m³

Configuration: As Above

Thermal Conductivity: 0.16 W/m.K[λ10,dry] Dangerous Substances: See Note

Note information on Dangerous Substances will only be given when and where required in the appropriate form.

Version: 2



Certificate Number: DOP/F/FP-Blocks/JL190

The undersigned, representing the following:

Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton NN4 5EA

Confirms that:

BS EN 771-4:2011

JL190 Spacer Block used in the walls Manufacturing Plant:Hams Hall

13

Product Name: JL190 Blocks

Conforms to harmonised European Standard: BS EN 771-4:2011

Category II: 440 x 190 x140 mm Autoclaved aerated concrete masonry units

Provision to which the product conforms: Standard: BS EN 771-4:2011 Regulation (EU) No. 305 / 2011

Dimensions : 440(mm) x 140(mm) x 140(mm)

Dimensional Tolerances :

Category: GPI M Flatness: NPD NPD

Parallelism: Configuration:

Solid Compressive Strength: Mean 7.30 N/mm² [⊥bed face]

mean 0.40 mm/m Dimensional Stability: Moisture movement:

Shear bond Strength: Fixed Value 0.15 N/mm² Flexural bond Strength: NPD

Reaction to fire: Euroclass A1 Water Absorption: NPD

Water vapour diffusion coefficient: Fixed Value 5/15 Direct airborne sound insulation:

Gross density: 730kg/m³ Configuration: As Above

Thermal Conductivity: 0.16 W/m.K[λ10,dry] Dangerous Substances: See Note

Note information on Dangerous Substances will only be given when and where required in the appropriate form.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the

Signed on behalf of the manufacture:

nadhtey

Full name: Matthew Clay

Position: Managing Director (Design Solutions) Date: 06 June 2017

Version: 2

Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton NN4 5EA

13

BS EN 771-4:2011

JL190 Spacer Block used in the walls

Category II: 440 x 190 x140 mm Autoclaved aerated concrete masonry units

440(mm) x 140(mm) x 140(mm) Dimensions :

Dimensional Tolerances :

Category: GPLM Flatness: NPD

Parallelism: Configuration: Solid

Compressive Strength:

Mean 7.30 N/mm² [Lbed face] mean 0.40 mm/m Dimensional Stability: Moisture movement:

Shear bond Strength: Fixed Value 0.15 N/mm² Flexural bond Strength:

Reaction to fire: Furoclass A1 Water Absorption: NPD 5/15

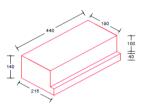
Water vapour diffusion coefficient: Fixed Value Direct airborne sound insulation:

Gross density: 730kg/m³

As Above Configuration: Thermal Conductivity: 0.16 W/m.K[λ10,dry]

Dangerous Substances:

See Note



Note information on Dangerous Substances will only be given when and where required in the appropriate form.

/ersion: 2



Certificate Number: DOP/F/FP-Blocks/TS100N

The undersigned, representing the following:

Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton NN4 5EA

Confirms that:

BS EN 771-4:2011

TS100N Spacer Block used in the walls Manufacturing Plant:Hams Hall

13

Product Name:

TS100N Blocks

Mean 7.30 N/mm² [⊥bed face]

Conforms to harmonised European Standard: BS EN 771-4:2011

Category II: 340 x 100 x140 mm Autoclaved aerated concrete masonry units

Provision to which the product conforms: Standard: BS EN 771-4:2011

Regulation (EU) No. 305 / 2011

Dimensions: 340(mm) x 100(mm) x 140(mm)

Dimensional Tolerances:

Category: GPLM NPD Flatness:

Gross density:

Parallelism: NPD Configuration: Solid

Compressive Strength: Dimensional Stability: Moisture movement:

Fixed Value

Shear bond Strength:

Flexural bond Strength:

Reaction to fire:

Water Absorption: Water vapour diffusion coefficient: Fixed Value

Direct airborne sound insulation:

Configuration: Thermal Conductivity:

Dangerous Substances:

730kg/m³ As Above

mean 0.40 mm/m

0.15 N/mm²

Euroclass A1

NPD

NPD

5/15

0.16 W/m.K[λ10,dry] See Note

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Signed on behalf of the manufacture:

Matthew Clay

06 June 2017

Position: Managing Director (Design Solutions)

Version:

2

Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton

13

BS EN 771-4:2011

TSNH Spacer Block used in the walls

TS100N Blocks Product Name:

Category II: 340 x 100 x140 mm Autoclaved aerated concrete masonry units

Dimensions : 340(mm) x 100(mm) x 140(mm) Dimensional Tolerances :

Category: GPLM

Flatness: NPD Parallelism: NPD

Configuration: Solid

Compressive Strength: Mean 7.30 N/mm² [⊥bed face]

Dimensional Stability: Moisture movement: mean 0.40 mm/m

Shear bond Strength: Fixed Value 0.15 N/mm² Flexural bond Strength: NPD Reaction to fire: Euroclass A1 Water Absorption: NPD

Water vapour diffusion coefficient: Fixed Value 5/15 Direct airborne sound insulation:

Gross density: 730kg/m³

As Above Configuration:

Thermal Conductivity: 0.16 W/m.K[λ10,dry] Dangerous Substances: See Note

Note information on Dangerous Substances will only be given when and where required in the appropriate form.

Version: 2



Certificate Number: DOP/F/FP-Blocks/TS100W

The undersigned, representing the following:

Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton NN4 5EA

Confirms that:

BS EN 771-4:2011

TS100W Spacer Block used in the walls Manufacturing Plant: Hams Hall

13

Product Name: TS100W Blocks

Conforms to harmonised European Standard: BS EN 771-4:2011

Category II: 530 x 100 x140 mm Autoclaved aerated concrete masonry units

Provision to which the product conforms: Standard: BS EN 771-4:2011 Regulation (EU) No. 305 / 2011

Dimensions: 530(mm) x 100(mm) x 140(mm)

Dimensional Tolerances :

Category: GPLM Flatness: NPD Parallelism: NPD

Configuration: Solid

Compressive Strength: Mean 7.30 N/mm² [⊥bed face]
Dimensional Stability: Moisture movement: mean 0.40 mm/m

Shear bond Strength: Fixed Value 0.15 N/mm²
Flexural bond Strength: NPD
Reaction to fire: Furoclass A1

Reaction to fire: Euroclass A1
Water Absorption: NPD
Water vapour diffusion coefficient: Fixed Value 5/15
Direct airborne sound insulation:

Gross density: 730kg/m³ Configuration: As Above

 Thermal Conductivity:
 0.16 W/m.K[\(\)10,dry]

 Dangerous Substances:
 See Note

Note information on Dangerous Substances will only be given when and where required in the appropriate form.

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Signed on behalf of the manufacture:

northten

Full name: Matthew Clay

Position: Managing Director (Design Solutions)

Date: 06 June 2017

Version: 2

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Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton NN4 5EA

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BS EN 771-4:2011

TSN Spacer Block used in the walls

Product Name: TS100W Blocks

Category II: 530 x 100 x140 mm Autoclaved aerated concrete masonry units

Dimensions: 530(mm) x 100(mm) x 140(mm)

Dimensional Tolerances :

Category: GPLM Flatness: NPD

Parallelism: NPD
Configuration: Solid

Compressive Strength: Mean 7.30 N/mm² [-bed face]

Dimensional Stability: Moisture movement: mean 0.40 mm/m
Shear bond Strength: Fixed Value 0.15 N/mm²

Flexural bond Strength:

Reaction to fire:

Euroclass A1

Water Absorption: NPD
Water vapour diffusion coefficient: Fixed Value 5/15

Direct airborne sound insulation:

Gross density: 730kg/m³

Configuration: As Above

Thermal Conductivity: 0.16 W/m.K[λ10,dry]

Dangerous Substances: See Note



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Certificate Number: DOP/F/FP-Blocks/TS140N

The undersigned, representing the following:

Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton NN4 5EA

Confirms that:

BS EN 771-4:2011

TS140N Spacer Block used in the walls Manufacturing Plant:Hams Hall

13

Product Name: TS140N Blocks

Conforms to harmonised European Standard: BS EN 771-4:2011

Category II: 340 x 140 x140 mm Autoclaved aerated concrete masonry units

Provision to which the product conforms: Standard: BS EN 771-4:2011 Regulation (EU) No. 305 / 2011

Dimensions : 340(mm) x 140(mm) x 140(mm)

Dimensional Tolerances :

Category: GPI M Flatness: NPD Parallelism: NPD

Configuration:

Solid Compressive Strength: Mean 7.30 N/mm² [Lbed face] Dimensional Stability: mean 0.40 mm/m Moisture movement:

Shear bond Strength: Fixed Value 0.15 N/mm² Flexural bond Strength: NPD Reaction to fire: Euroclass A1

Water Absorption: NPD Water vapour diffusion coefficient: Fixed Value 5/15

Direct airborne sound insulation: Gross density: 730kg/m³

Configuration: As Above Thermal Conductivity: 0.16 W/m.K[λ10,dry]

Dangerous Substances: See Note

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Position: Managing Director (Design Solutions) Date: 06 June 2017

Version: 2

Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton NN4 5EA

13

BS EN 771-4:2011

TSH Spacer Block used in the walls

Category II: 340 x 140 x140 mm Autoclaved aerated concrete masonry units

340(mm) x 140(mm) x 140(mm) Dimensions :

Dimensional Tolerances :

Category: GPLM Flatness: NPD Parallelism:

Configuration: Solid

Compressive Strength: Mean 7.30 N/mm² [Lbed face]

Dimensional Stability: Moisture movement: mean 0.40 mm/m

Shear bond Strength: Fixed Value 0.15 N/mm² Flexural bond Strength: NPD Reaction to fire: Furoclass A1

Water Absorption: NPD Water vapour diffusion coefficient: Fixed Value 5/15

Direct airborne sound insulation:

Gross density: 730kg/m³ As Above Configuration:

Thermal Conductivity: 0.16 W/m.K[λ10,dry]

Dangerous Substances: See Note

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/ersion: 2



Certificate Number: DOP/F/FP-Blocks/TS140W

The undersigned, representing the following:

Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton NN4 5EA

Confirms that:

BS EN 771-4:2011

TS140W Spacer Block used in the walls Manufacturing Plant:Hams Hall

13

Product Name: TS140W Blocks

Conforms to harmonised European Standard: BS EN 771-4:2011

Category II: 530 x 140 x140 mm Autoclaved aerated concrete masonry units

Provision to which the product conforms: Standard: BS EN 771-4:2011 Regulation (EU) No. 305 / 2011

mean 0.40 mm/m

Dimensions : 530(mm) x 140(mm) x 140(mm)

Dimensional Tolerances :

Category: GPI M Flatness: NPD

Configuration:

Parallelism: NPD Solid Mean 7.30 N/mm² [⊥bed face]

Compressive Strength: Dimensional Stability: Shear bond Strength:

Moisture movement:

Fixed Value 0.15 N/mm² NPD Euroclass A1

Flexural bond Strength: Reaction to fire: Water Absorption:

Water vapour diffusion coefficient:

Direct airborne sound insulation:

Gross density: Configuration:

Fixed Value

Thermal Conductivity: Dangerous Substances: 730kg/m³ As Above

0.16 W/m.K[λ10,dry]

See Note

NPD

5/15

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Full name: Matthew Clay

Position: Managing Director (Design Solutions)

Date: 06 June 2017

Version: 2

Forterra Building Products Ltd 5 Grange Park Court, Roman Way Northampton NN4 5EA

13

BS EN 771-4:2011

TS Spacer Block used in the walls

TS140W Blocks

Category II: 530 x 140 x140 mm Autoclaved aerated concrete masonry units

530(mm) x 140(mm) x 140(mm) Dimensions :

Dimensional Tolerances :

Category: GPLM Flatness: NPD

Parallelism: Configuration: Solid Mean 7.30 N/mm² [Lbed face]

Compressive Strength:

mean 0.40 mm/m **Dimensional Stability:** Moisture movement: Shear bond Strength: Fixed Value 0.15 N/mm²

Flexural bond Strength: NPD Reaction to fire: Furoclass A1 Water Absorption: NPD

Water vapour diffusion coefficient: Fixed Value 5/15 Direct airborne sound insulation:

Gross density: 730kg/m³ As Above Configuration:

Thermal Conductivity: 0.16 W/m.K[λ10,dry]

Dangerous Substances: See Note

Note information on Dangerous Substances will only be given when and where required in the appropriate form.

/ersion: 2