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DOP/HANUK/BR/6042918 + 4 > ×

and pressenter.

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Yours sincerely,

Carl Cuthbert

**Quality Control Manager** 

Forterra Building Products Limited



> 1333 13 1333-CPR-00199

BS EN 1858:2008 + A1:2011

#### FORTERRA RED BANK RF CAST CONCRETE FLUE BLOCK - (RFCFB) (TYPE B FLUE BLOCK)

T250 N2 D 1 O (50)

Flow resistance: Mean roughness: 0.003 m

Thermal resistance: 0.121 m<sup>2</sup>K/W

Compressive strength: Declared structural height

**Durability:** 1.64 kg/m<sup>2</sup> Abrasion

> Freeze / Thaw resistance: NPD

Reaction to fire: Α1

Resistance to fire, external to external: NPD

**Dangerous Substances:** See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 1858:2008 + A1:2011.

See Also Declaration of Performance DOP/FBP/RFCFB



### **Declaration of Performance**

DOP/FBP/RFCFB

The undersigned, representing the following:

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

Confirms that:

#### RF CAST CONCRETE FLUE BLOCK (TYPE B FLUE BLOCK) - (RFCFB)

Manufacturing Plant: FORTERRA RED BANK

Conforms to the Harmonised European Standard: BS EN 1858:2008 + A1:2011

T250 N2 D 1 O (50)

1333 13 1333-CPR-00199

Provision to which the product conforms: Standard: Annex ZA of BS EN 1858:2008 + A1:2011.

System 2+

Regulation (EU) No. 305/2011

Full product designation: Type B flue block T250 N2 D 1 O (50)

Gas tightness: Declared pressure class:

Flow resistance: Mean roughness: 0.003 m (default value) Thermal resistance: 0.121 m<sup>2</sup>K/W

Resistance to fire: Classification: O (not sootfire resistant)

Resistance to fire, external to external: NPD Reaction to fire:

Α1

Declared structural

Compressive strength: 14 m height:

Declared maximum

Flexural strength under 225 mm wind loading: unsupported height:

**Durability:** NPD (Designation D) Condensate resistance:

Corrosion resistance: NPD (Designation D)

Freeze / Thaw resistance: NPD

> Abrasion resistance: 1.64 kg/m<sup>2</sup>

See Note

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 1858:2008 + A1:2011.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice.

As la lathler

Signed on behalf of the

**Dangerous Substances:** 

manufacturer:

Full name: Carl Cuthbert

Position: Quality Control Manager Place of issue: Northampton



> 1333 13 1333-CPR-00199

BS EN 1857:2010

# FORTERRA RED BANK RM CAST CONCRETE FLUE LINER - (RMCCF)

A2 (T600 N2 G D 3 (100))

Flow resistance: Mean roughness: 0.003 m

Reaction to fire: A1

Thermal resistance: 0.1448 m<sup>2</sup>K/W

Compressive strength: Declared structural height 14 m

**Durability:** Freeze / Thaw resistance: NPD

Dangerous Substances: See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 1857:2010.

See Also Declaration of Performance DOP/FBP/RMCCF



### **Declaration of Performance**

DOP/FBP/RMCCF

The undersigned, representing the following:

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

Confirms that:

#### RM CAST CONCRETE FLUE LINER - (RMCCF)

Manufacturing Plant: FORTERRA RED BANK

Conforms to the Harmonised European Standard: BS EN 1857:2010

A2

1333 13 1333-CPR-00199

Provision to which the product conforms: Annex ZA of BS EN 1857:2010, System 2+

Regulation (EU) No. 305/2011

Full product designation: T600 N2 G D 3 (100)

Gas tightness: Declared pressure class: N2

Flow resistance: Mean roughness: 0.003 m (default value)

Thermal resistance:

0.1448 m<sup>2</sup>K/W

Resistance to fire: Classification: G (sootfire resistant)

Reaction to fire: A1

Compressive strength: Declared structural height 14 m

**Durability:** Condensate resistance: NPD (Designation D)

Corrosion resistance: NPD (Designation D)

Abrasion resistance: 1.6 kg/m<sup>2</sup>

Freeze / Thaw resistance: NPD

Dangerous Substances: See Note

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 1857:2010.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice.

as la lathler

Signed on behalf of the

manufacturer:

Full name: Carl Cuthbert

Position: Quality Control Manager Place of issue: Northampton



> 1333 13 1333-CPR-00199 BS

> > EN 1457-1:2012

# FORTERRA RED BANK CLAY/CERAMIC FLUE LINER - (CLAYFL)

A1N2

Flow resistance: Mean roughness: 0.0015 m

Resistance to fire: G(100) 10Compressive strength:  $MN/m^2$ 

Thermal resistance: 0.0909 m<sup>2</sup>K/W

Durability: 5%

Freeze / Thaw resistance: NPD

Corrosion resistance:

Abrasion resistance: 0.03 kg/m<sup>2</sup>

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See Note

**Dangerous Substances:** 

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 1457-1:2012.

See Also Declaration of Performance DOP/FBP/CLAYFL



## **Declaration of Performance**

DOP/FBP/CLAYFL

The undersigned, representing the following:

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

Confirms that:

#### **CLAY/CERAMIC FLUE LINER - (CLAYFL)**

Manufacturing Plant: FORTERRA RED BANK

Conforms to the Harmonised European Standard: BS EN 1457-1:2012

A1N2

1333 13 1333-CPR-00199

Provision to which the product conforms: Standard: Annex ZA of BS EN 1457-1:2012, System 2+

Regulation (EU) No. 305/2011

Full product designation: T600 N2 G D 3 (100)

**Gas tightness:** Declared pressure class: N2

Flow resistance: Mean roughness: 0.0015 m

**Resistance to fire:** Classification: G (sootfire resistant)

Compressive strength:  $10 \text{ MN/m}^2$ Thermal resistance:  $0.0909 \text{ m}^2 \text{K/W}$ 

**Durability:** Corrosion resistance: 5%

Freeze / Thaw resistance: NPD

Abrasion resistance: 0.03 kg/m<sup>2</sup>

Dangerous Substances: See Note

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 1457-1:2012.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice.

As la lathler

Signed on behalf of the

manufacturer:

Full name: Carl Cuthbert

Position: Quality Control Manager Place of issue: Northampton



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#### BS EN 13502:2002

# FORTERRA RED BANK CLAY/CERAMIC FLUE TERMINALS OPEN-TOPPED TERMINALS – (CFTO)

Flow resistance: Flow resistance factor: 1.0

**Durability:** Freeze / Thaw resistance: PASS (spray method)

Dangerous Substances: See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 13502:2002.

See Also Declaration of Performance DOP/FBP/CFTO



### **Declaration of Performance**

DOP/FBP/CFTO

The undersigned, representing the following:

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

Confirms that:

#### CLAY/CERAMIC FLUE TERMINALS OPEN-TOPPED TERMINALS – (CFTO)

Manufacturing Plant: FORTERRA RED BANK

Conforms to the Harmonised European Standard: BS EN 13502:2002

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Provision to which the product conforms: Annex ZA of BS EN 13502:2002. System 4

Regulation (EU) No. 305/2011

Flow resistance: Flow resistance factor: 1.0

**Durability:** Freeze / Thaw resistance: PASS (spray method)

Dangerous Substances: See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 13502:2002.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice.

Signed on behalf of the

manufacturer:

As le lathlet

Full name: Carl Cuthbert

Position: Quality Control Manager

Place of issue: Northampton



> 1333 13 1333-CPR-00199

BS EN 1858:2008 + A1:2011

#### **FORTERRA RED BANK** RF PRESSED CONCRETE FLUE BLOCK - (RFPFB) (TYPE B FLUE BLOCK)

T250 N2 D 1 O (50)

Flow resistance: Mean roughness: 0.003 m

Thermal resistance: 0.037 m<sup>2</sup>K/W

Compressive strength: Declared structural height 14 m

**Durability:** 1.96 kg/m<sup>2</sup> Abrasion

> Freeze / Thaw resistance: NPD

Reaction to fire: Α1

Resistance to fire, external to external: NPD

**Dangerous Substances:** See Note

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 1858:2008 + A1:2011.

See Also Declaration of Performance DOP/FBP/RFPFB



### **Declaration of Performance**

DOP/FRP/RFPFR

The undersigned, representing the following:

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

Confirms that:

#### RF PRESSED CONCRETE FLUE BLOCK - (RFPFB) (TYPE B FLUE BLOCK)

Manufacturing Plant: FORTERRA RED BANK

Conforms to the Harmonised European Standard: BS EN 1858:2008 + A1:2011

T250 N2 D 1 O (50)

1333 13 1333-CPR-00199

Provision to which the product conforms: Standard: Annex ZA of BS EN 1858:2008 + A1:2011.

System 2+

NPD

225 mm

Α1

Regulation (EU) No. 305/2011

Type B flue block Full product designation: T250 N2 D 1 O (50)

Gas tightness: Declared pressure class:

N2

Flow resistance: Mean roughness: 0.003 m (default value)

Thermal resistance: 0.037 m<sup>2</sup>K/W

Resistance to fire: Classification: O (not sootfire resistant)

Resistance to fire, external to external:

Reaction to fire:

Declared structural

Compressive strength: 14 m height:

Flexural strength under Declared maximum unsupported height:

wind loading: Durability:

Condensate resistance: NPD (Designation D)

NPD (Designation D) Corrosion resistance:

Freeze / Thaw resistance: NPD

Abrasion resistance: 1.96 kg/m<sup>2</sup> See Note

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 1858:2008 + A1:2011.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice.

Signed on behalf of the

**Dangerous Substances:** 

manufacturer:

As for but theter

Full name: Carl Cuthbert

Position: Quality Control Manager

Place of issue: Northampton



> 1333 13 1333-CPR-00199

BS EN 1857:2010

# FORTERRA RED BANK RM PRESSED CONCRETE FLUE LINER - (RMPCF)

A2 (T600 N2 G D 3 (100))

Flow resistance: Mean roughness: 0.003 m

Reaction to fire:

Thermal resistance: 0.0757 m<sup>2</sup>K/W

Compressive strength:

Declared structural height 14 m

Durability:

Freeze / Thaw resistance: NPD

Dangerous Substances: See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 1857:2010.

See Also Declaration of Performance DOP/FBP/RMPCF



### **Declaration of Performance**

DOP/FBP/RMPCF

The undersigned, representing the following:

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

Confirms that:

#### RM PRESSED CONCRETE FLUE LINER - (RMPCF)

Manufacturing Plant: FORTERRA RED BANK

Conforms to the Harmonised European Standard: BS EN 1857:2010

A2

1333 13 1333-CPR-00199

Provision to which the product conforms: Standard: Annex ZA of BS EN 1857:2010, System 2+

Regulation (EU) No. 305/2011

Full product designation: T600 N2 G D 3 (100)

Gas tightness: Declared pressure class: N2

Flow resistance: Mean roughness: 0.003 m (default value)

Thermal resistance: 0.0757 m<sup>2</sup>K/W

Resistance to fire: Classification: G (sootfire resistant)

Reaction to fire: A1

Compressive strength: Declared structural height 14 m

**Durability:** Condensate resistance: NPD (Designation D)

Corrosion resistance: NPD (Designation D)

Abrasion resistance: 1.6 kg/m<sup>2</sup> Freeze / Thaw resistance: NPD

Dangerous Substances: See Note

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 1857:2010.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice.

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Signed on behalf of the

manufacturer:

Full name: Carl Cuthbert

Position: Quality Control Manager Place of Issue: Northampton



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#### BS EN 13502:2002

#### FORTERRA RED BANK **CLAY/CERAMIC FLUE TERMINALS** RESTRICTED RIDGE TERMINALS - (CFTRR)

Flow resistance: Flow resistance factor: 2.0

**Durability:** Freeze / Thaw resistance: PASS (spray method)

**Dangerous Substances:** See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 13502:2002.

See Also Declaration of Performance DOP/FBP/CFTRR



### **Declaration of Performance**

DOP/FBP/ CFTRR

The undersigned, representing the following:

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

Confirms that:

#### **CLAY/CERAMIC FLUE TERMINALS** RESTRICTED RIDGE TERMINALS -(CFTRR)

Manufacturing Plant: FORTERRA RED BANK

Conforms to the Harmonised European Standard: BS EN 13502:2002

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Provision to which the product conforms: Annex ZA of BS EN 13502:2002. System 4

Regulation (EU) No. 305/2011

Flow resistance: Flow resistance factor: 2.0

**Durability:** Freeze / Thaw resistance: PASS (spray method)

**Dangerous Substances:** See Note

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 13502:2002.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice

Signed on behalf of the manufacturer:

As le lathlet

Full name: Carl Cuthbert

Position: Quality Control Manager Place of Issue: Northampton



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#### BS EN 13502:2002

#### FORTERRA RED BANK **CLAY/CERAMIC FLUE TERMINALS** RESTRICTED TYPE 0 TERMINALS - (CFTR0)

Flow resistance: Flow resistance factor: NPD

Durability: Freeze / Thaw resistance: PASS (spray method)

Dangerous Substances: See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 13502:2002.

See Also Declaration of Performance DOP/FBP/CFTR0



### **Declaration of Performance**

DOP/FBP/ CFTR2

The undersigned, representing the following:

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

Confirms that:

#### **CLAY/CERAMIC FLUE TERMINALS** RESTRICTED TYPE 0 TERMINALS -(CFTR0)

Manufacturing Plant: FORTERRA RED BANK

Conforms to the Harmonised European Standard: BS EN 13502:2002

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Provision to which the product conforms: Annex ZA of BS EN 13502:2002. System 4

Regulation (EU) No 305/2011

Flow resistance: NPD Flow resistance factor:

**Durability:** Freeze / Thaw resistance: PASS (spray method)

**Dangerous Substances:** See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 13502:2002.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice.

Signed on behalf of the

manufacturer:

Refelather

Full name: Carl Cuthbert

Position: Quality Control Manager Date: 21 April 2021

Place of Issue: Northampton



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BS EN 13502:2002

#### FORTERRA RED BANK **CLAY/CERAMIC FLUE TERMINALS** RESTRICTED TYPE 2 TERMINALS - (CFTR2)

Flow resistance: Flow resistance factor:

**Durability:** Freeze / Thaw resistance: PASS (spray method)

**Dangerous Substances:** See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 13502:2002.

See Also Declaration of Performance DOP/FBP/CFTR2



### **Declaration of Performance**

DOP/FBP/ CFTR2

The undersigned, representing the following:

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

Confirms that:

#### CLAY/CERAMIC FLUE TERMINALS RESTRICTED TYPE 2 TERMINALS -(CFTR2)

Manufacturing Plant: FORTERRA RED BANK

Conforms to the Harmonised European Standard: BS EN 13502:2002

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Annex ZA of BS EN 13502:2002. System 4 Provision to which the product conforms:

Regulation (EU) No 305/2011

Flow resistance: Flow resistance factor: 3.0

Durability: Freeze / Thaw resistance: PASS (spray method)

**Dangerous Substances:** See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 13502:2002.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice.

Signed on behalf of the

manufacturer:

Relatation

Full name: Carl Cuthbert

Position: Quality Control Manager

Place of Issue: Northampton



#### BS EN 1304:2013

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# FORTERRA RED BANK CLAY RIDGE TILES AND FITTINGS – (CLAYRT)

Mechanical resistance properties / Flexural strength Complies

External fire performance Deemed to satisfy

Reaction to fire Class A1

Water impermeability Pass Category 1, test method 2

Dimensions and dimensional tolerance Complies

**Durability** Pass Method D

Dangerous Substances: See Note

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 1304:2013.

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See Also Declaration of Performance DOP/FBP/CLAYRT



### **Declaration of Performance**

DOP/FBP/CLAYRT

The undersigned, representing the following:

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

Confirms that:

#### **CLAY RIDGE TILES AND FITTINGS - (CLAYRT)**

Manufacturing Plant: FORTERRA RED BANK

Conforms to the Harmonised European Standard: BS EN 1304:2013

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Provision to which the product conforms:

Annex ZA of BS EN 1304:2005. System 4

Regulation (EU) No. 305/2011

Mechanical resistance properties / Flexural Complies

strenath

**External fire performance** Deemed to satisfy

Reaction to fire Deemed to satisfy Class A1

Water impermeability Pass Category 1, test method 2

Dimensions and dimensional tolerance Complies

**Durability** Pass Method D

Dangerous Substances: See Note

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 1304:2005.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice.

Signed on behalf of the

manufacturer:

As la lathletta Fi

Full name: Carl Cuthbert

Position: Quality Control Manager

Place of Issue: Northampton



#### BS EN 771-3:2011+A1:2015

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#### SPLIT COURSE (SCR) BLOCK 375 X 100 X 35 mm CATEGORY II AGGREGATE CONCRETE MASONRY UNIT

**Dimensions:** 375 x 100 x 35 mm

Dimensional tolerances: Category: D1

> Flatness: NPD

Parallelism: NPD

Configuration: Solid

Compressive strength: Mean 20 N/mm<sup>2</sup> [⊥ bed face]

Dimensional stability: Moisture movement: < 0.55 mm/m

0.15 N/mm<sup>2</sup> Shear bond strength: Fixed Value:

Flexural bond strength: NPD

Reaction to fire:

Water Absorption: NPD (Not to be left exposed)

Direct airborne sound Gross density: 2010 kg/m<sup>3</sup>

insulation:

Configuration: As above

Thermal conductivity: Tabulated value: 1.01 W/m.K [λ<sub>10.drv</sub>]

**Durability:** NPD (Not to be left exposed)

**Dangerous Substances:** See Note

Note: Information on Dangerous substances will only be given when and where required in the

appropriate form. See Annex ZA3 of BS EN 771-3:2011.

See Also Declaration of Performance DOP/FBP/SCR



### **Declaration of Performance**

DOP/FBP/SCR

The undersigned, representing the following:

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

Confirms that:

#### SPLIT COURSE (SCR) BLOCK AGGREGATE CONCRÈTE MASONRY UNIT

Manufacturing Plant: FORTERRA RED BANK Conforms to the Harmonised European Standard: BS EN 771-3:2011+A1:2015

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Provision to which the product conforms: Annex ZA of BS EN 771-3:2011+A1:2015.

System 4 Regulation (EU) No 305/2011

Dimensions: 375 x 100 x 35 mm

Dimensional tolerances: Category: D1

Flatness: NPD Parallelism: NPD

As above

Configuration: Solid

Compressive strength: 20 N/mm<sup>2</sup> [⊥ bed face]

Dimensional stability: Moisture movement: < 0.55 mm/m Shear bond strength: Fixed Value: 0.15 N/mm<sup>2</sup>

Flexural bond strength: NPD Reaction to fire: Α1

Water Absorption: NPD (Not to be left exposed)

Direct airborne sound Gross density: 2010 kg/m<sup>3</sup>

insulation: Configuration:

Thermal conductivity: Tabulated value: 1.01 W/m.K [λ<sub>10,drv</sub>]

NPD (Not to be left exposed) Durability:

**Dangerous Substances:** See Note

Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-3:2011+A1:2015.

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and appropriate codes of practice.

Signed on behalf of the

manufacturer:

As la lathleter

Full name: Carl Cuthbert

Date: 21 April 2021

Position: Quality Control Manager

Place of Issue: Northampton