



**Declaration of Performance**

Certificate Number: DOP/F/FP/HV-Beams/BT02

The undersigned, representing the following:

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

Confirms that:

**Beams for Beam-and-block floor systems:- BT02**

Manufacturing Plant: **Hoveringham**

**13**

FPC Certificate No.: 1333 - CPR - 00197

Conforms to harmonised European Standard: BS EN 15037-1:2008

Category I: 150 x 125 concrete pre-stressed units

Provision to which the product conforms: Standard: Annex ZA of BS EN 15037-1:2008

Regulation (EU) No. 305 / 2011

**Concrete:**

Compressive strength.....  $f_{ck}$ : C50/60 N/mm<sup>2</sup>

**Prestressing steel:**

Ultimate tensile strength.....  $f_{pk}$ : 1770 kN/m<sup>2</sup>

Tensile 0.1% proof stress.....  $f_{p0.1k}$ : 1470 kN/m<sup>2</sup>

**Mechanical Resistance**(design values):

Bending moment capacity

(of middle section)..... 8.4 kNm

Shear capacity(of the end section)..... 20.3 kN

**Resistance to fire R**..... 30 minutes

For geometrical data detailing, durability, acoustic insulation index, possible complementary information on fire resistance and other NDPs see the Technical documentation

**Technical documentation:** Product Handbook and Technical File\*

\* Available on request

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 manufacturer's instructions.

Signed on behalf of the manufacture:

Full name: Matthew Clay

Position: Management Director (Design Solution)

Date: 06 October 2015

Version: 2



1333

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

**13**

FPC Certificate No.: 1333 - CPR - 00197

**BS EN 15037-1:2008**

Beams for Beam-and-block floor systems

**Product Name:- BT02**

Category I: Prestressed Beams

**Concrete:**

Compressive strength.....  $f_{ck}$ : C50/60 N/mm<sup>2</sup>

**Prestressing steel:**

Ultimate tensile strength.....  $f_{pk}$ : 1770 kN/m<sup>2</sup>

Tensile 0.1% proof stress.....  $f_{p0.1k}$ : 1470 kN/m<sup>2</sup>

**Mechanical Resistance**(design values):

Bending moment capacity  
(of middle section)..... 8.4 kNm

Shear capacity(of the end section)..... 20.3 kN

**Resistance to fire R**..... 30 minutes

For geometrical data detailing, durability, acoustic insulation index, possible complementary information on fire resistance and other NDPs see the Technical documentation

**Technical documentation:** Product Handbook and Technical File \*

\* Available on request

Version: 2



**Declaration of Performance**

Certificate Number: DOP/F/FP/HV-Beams/RD09

The undersigned, representing the following:

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

Confirms that:

**Beams for Beam-and-block floor systems:- RD09**

Manufacturing Plant: **Hoveringham**

**13**

FPC Certificate No.: 1333 - CPR - 00197

Conforms to harmonised European Standard: BS EN 15037-1:2008

Category I: 150 x 215 concrete pre-stressed units

Provision to which the product conforms: Standard: Annex ZA of BS EN 15037-1:2008

Regulation (EU) No. 305 / 2011

**Concrete:**

Compressive strength.....  $f_{ck}$ : C50/60 N/mm<sup>2</sup>

**Prestressing steel:**

Ultimate tensile strength.....  $f_{pk}$ : 1770 kN/m<sup>2</sup>

Tensile 0.1% proof stress.....  $f_{p0.1k}$ : 1470 kN/m<sup>2</sup>

**Mechanical Resistance**(design values):

Bending moment capacity

(of middle section)..... 20.3 kNm

Shear capacity(of the end section)..... 41.3 kN

**Resistance to fire R**..... 30 minutes

For geometrical data detailing, durability, acoustic insulation index, possible complementary information on fire resistance and other NDPs see the Technical documentation

**Technical documentation:** Product Handbook and Technical File\*

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**13**

FPC Certificate No.: 1333 - CPR - 00197

**BS EN 15037-1:2008**

Beams for Beam-and-block floor systems

**Product Name:- RD09**

Category I: Prestressed Beams

**Concrete:**

Compressive strength.....  $f_{ck}$ : C50/60 N/mm<sup>2</sup>

**Prestressing steel:**

Ultimate tensile strength.....  $f_{pk}$ : 1770 kN/m<sup>2</sup>

Tensile 0.1% proof stress.....  $f_{p0.1k}$ : 1470 kN/m<sup>2</sup>

**Mechanical Resistance**(design values):

Bending moment capacity

(of middle section)..... 20.3 kNm

Shear capacity(of the end section)..... 41.3 kN

**Resistance to fire R**..... 30 minutes

For geometrical data detailing, durability, acoustic insulation index, possible complementary information on fire resistance and other NDPs see the Technical documentation

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**Declaration of Performance**

Certificate Number: DOP/F/FP/HV-Beams/T008

The undersigned, representing the following:

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

Confirms that:

**Beams for Beam-and-block floor systems:- T008**

Manufacturing Plant: **Hoveringham**

**13**

FPC Certificate No.: 1333 - CPR - 00197

Conforms to harmonised European Standard: BS EN 15037-1:2008

Category I: 225 x 135 concrete pre-stressed units

Provision to which the product conforms: Standard: Annex ZA of BS EN 15037-1:2008

Regulation (EU) No. 305 / 2011

**Concrete:**

Compressive strength.....  $f_{ck}$ : C50/60 N/mm<sup>2</sup>

**Prestressing steel:**

Ultimate tensile strength.....  $f_{pk}$ : 1770 kN/m<sup>2</sup>

Tensile 0.1% proof stress.....  $f_{p0.1k}$ : 1470 kN/m<sup>2</sup>

**Mechanical Resistance**(design values):

Bending moment capacity

(of middle section)..... 24.0 kNm

Shear capacity(of the end section)..... 35.0 kN

**Resistance to fire R**..... 30 minutes

For geometrical data detailing, durability, acoustic insulation index, possible complementary information on fire resistance and other NDPs see the Technical documentation

**Technical documentation:** Product Handbook and Technical File\*

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**13**

FPC Certificate No.: 1333 - CPR - 00197

**BS EN 15037-1:2008**

Beams for Beam-and-block floor systems

**Product Name:- T008**

Category I: Prestressed Beams

**Concrete:**

Compressive strength.....  $f_{ck}$ : C50/60 N/mm<sup>2</sup>

**Prestressing steel:**

Ultimate tensile strength.....  $f_{pk}$ : 1770 kN/m<sup>2</sup>

Tensile 0.1% proof stress.....  $f_{p0.1k}$ : 1470 kN/m<sup>2</sup>

**Mechanical Resistance**(design values):

Bending moment capacity  
(of middle section)..... 24.0 kNm

Shear capacity(of the end section)..... 35.0 kN

**Resistance to fire R**..... 30 minutes

For geometrical data detailing, durability, acoustic insulation index, possible complementary information on fire resistance and other NDPs see the Technical documentation

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

**Beams for Beam-and-block floor systems:- BT02**

Manufacturing Plant: **Somercotes**

**15**

FPC Certificate No.: 1333 - CPR - 00198

Conforms to harmonised European Standard: BS EN 15037-1:2008

Category I: 150 x 125 concrete pre-stressed units

Provision to which the product conforms: Standard: Annex ZA of BS EN 15037-1:2008

Regulation (EU) No. 305 / 2011

**Concrete:**

Compressive strength.....  $f_{ck}$ : C50/60 N/mm<sup>2</sup>

**Prestressing steel:**

Ultimate tensile strength.....  $f_{pk}$ : 1770 kN/m<sup>2</sup>

Tensile 0.1% proof stress.....  $f_{p0.1k}$ : 1470 kN/m<sup>2</sup>

**Mechanical Resistance**(design values):

Bending moment capacity

(of middle section)..... 8.4 kNm

Shear capacity(of the end section)..... 20.3 kN

**Resistance to fire R**..... 30 minutes

For geometrical data detailing, durability, acoustic insulation index, possible complementary information on fire resistance and other NDPs see the Technical documentation

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**BS EN 15037-1:2008**

Beams for Beam-and-block floor systems

**Product Name:- BT02**

Category I: Prestressed Beams

**Concrete:**

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**Prestressing steel:**

Ultimate tensile strength.....  $f_{pk}$ : 1770 kN/m<sup>2</sup>

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**Beams for Beam-and-block floor systems:- RD09**

Manufacturing Plant: **Somercotes**

**15**

FPC Certificate No.: 1333 - CPR - 00198

Conforms to harmonised European Standard: BS EN 15037-1:2008

Category I: 150 x 215 concrete pre-stressed units

Provision to which the product conforms: Standard: Annex ZA of BS EN 15037-1:2008

Regulation (EU) No. 305 / 2011

**Concrete:**

Compressive strength.....  $f_{ck}$ : C50/60 N/mm<sup>2</sup>

**Prestressing steel:**

Ultimate tensile strength.....  $f_{pk}$ : 1770 kN/m<sup>2</sup>

Tensile 0.1% proof stress.....  $f_{p0.1k}$ : 1470 kN/m<sup>2</sup>

**Mechanical Resistance**(design values):

Bending moment capacity

(of middle section)..... 20.3 kNm

Shear capacity(of the end section)..... 41.3 kN

**Resistance to fire R**..... 30 minutes

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Beams for Beam-and-block floor systems

**Product Name:- RD09**

Category I: Prestressed Beams

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