

Declaration of Performance

Certificate Number: DOP/HANUK/FP-Beams/BT02

The undersigned, representing the following:

Hanson Building Products Ltd
Hanson House, 14 Castle Hill,
Maidenhead,
SL6 4JJ

Confirms that:

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

Manufacturing Plant: **Hoveringham**

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FPC Certificate No.: 1333 - CPD - 00137

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} : 50.0 N/mm²

Prestressing steel:

Ultimate tensile strength..... f_{pk} : 1770 kN/m²

Tensile 0.1% proof stress..... $f_{p0.1k}$: 1470 kN/m²

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 manufacture's instructions.

Signed on behalf of the manufacture:



Full name: Matthew Clay

Position: Management Director (Design Solution)

Date: 03 March 2014



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Hanson Building Products Ltd
Hanson House, 14 Castle Hill,
Maidenhead,
SL6 4JJ

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FPC Certificate No.: 1333 - CPD - 00137

BS EN 15037-1:2008

Beams for Beam-and-block floor systems

Product Name:- BT02

Category I: Prestressed Beams

Concrete:

Compressive strength..... f_{ck} : 50.0 N/mm²

Prestressing steel:

Ultimate tensile strength..... f_{pk} : 1770 kN/m²

Tensile 0.1% proof stress..... $f_{p0.1k}$: 1470 kN/m²

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

Declaration of Performance

Certificate Number: DOP/HANUK/FP-Beams/RD09

The undersigned, representing the following:

Hanson Building Products Ltd
Hanson House, 14 Castle Hill,
Maidenhead,
SL6 4JJ

Confirms that:

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

Manufacturing Plant: **Hoveringham**

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FPC Certificate No.: 1333 - CPD - 00137

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} : 50.0 N/mm²

Prestressing steel:

Ultimate tensile strength..... f_{pk} : 1770 kN/m²

Tensile 0.1% proof stress..... $f_{p0.1k}$: 1470 kN/m²

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*

* Available on request

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Full name: Matthew Clay

Position: Management Director (Design Solution)

Date: 03 March 2014



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FPC Certificate No.: 1333 - CPD - 00137

BS EN 15037-1:2008

Beams for Beam-and-block floor systems

Product Name:- RD09

Category I: Prestressed Beams

Concrete:

Compressive strength..... f_{ck} : 50.0 N/mm²

Prestressing steel:

Ultimate tensile strength..... f_{pk} : 1770 kN/m²

Tensile 0.1% proof stress..... $f_{p0.1k}$: 1470 kN/m²

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 *

* Available on request

Declaration of Performance

Certificate Number: DOP/HANUK/FP-Beams/T008

The undersigned, representing the following:

Hanson Building Products Ltd
Hanson House, 14 Castle Hill,
Maidenhead,
SL6 4JJ

Confirms that:

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

Manufacturing Plant: **Hoveringham**

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FPC Certificate No.: 1333 - CPD - 00137

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} : 50.0 N/mm²

Prestressing steel:

Ultimate tensile strength..... f_{pk} : 1770 kN/m²

Tensile 0.1% proof stress..... $f_{p0.1k}$: 1470 kN/m²

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*

* Available on request

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Full name: Matthew Clay

Position: Management Director (Design Solution)

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Hanson Building Products Ltd
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FPC Certificate No.: 1333 - CPD - 00137

BS EN 15037-1:2008

Beams for Beam-and-block floor systems

Product Name:- T008

Category I: Prestressed Beams

Concrete:

Compressive strength..... f_{ck} : 50.0 N/mm²

Prestressing steel:

Ultimate tensile strength..... f_{pk} : 1770 kN/m²

Tensile 0.1% proof stress..... $f_{p0.1k}$: 1470 kN/m²

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 *

* Available on request