

# **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 prodcut conforms: Standard: Annex ZA of BS EN 15037-1:2008

Regulation (EU) No. 305 / 2011

Concrete:		
Compressive strength	50.0 N/mm²	
Prestressing steel:		
Ultimate tensile strength f <sub>pk</sub> :	1770 kN/m²	
Tensile 0.1% proof stress f <sub>p0.1k</sub> :	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 other NDPs see the Technical documentation	index, possible complementary information on fire resistance and	
Technical documentation: Product Handbook and Technical File*		
* Available on request		
Note information on Dangerous Substances will only be g	iven 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		

Full name:

Date:

Matthew Clay

03 March 2014

manufacture's instructions.

Signed on behalf of the manufacture:

Position: Management Director (Design Solution)

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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

$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	50.0 N/mm²
Prestressing steel: Ultimate tensile strength	1770 kN/m²
Tensile 0.1% proof stress	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 \*

<sup>\*</sup> 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

13

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 prodcut conforms: Standard: Annex ZA of BS EN 15037-1:2008

Regulation (EU) No. 305 / 2011

Concrete:	
Compressive strength	50.0 N/mm²
Prestressing steel:	
Ultimate tensile strength	1770 kN/m²
Tensile 0.1% proof stress f <sub>p0.1k</sub> :	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 other NDPs see the Technical documentation	index, possible complementary information on fire resistance and
<b>Technical documentation:</b> Product Handbook and Technic	al File*
* Available on request	
Note information on Dangerous Substances will only be g	given when and where required in the appropriate form.
The performance of the product identified above is in conformity w	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:- RD09

Category I: Prestressed Beams

Concrete: Compressive strength	50.0 N/mm²
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	1770 kN/m² 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 \*

<sup>\*</sup> 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 prodcut conforms: Standard: Annex ZA of BS EN 15037-1:2008 Regulation (EU) No. 305 / 2011

Concrete:	
Compressive strength	50.0 N/mm²
Prestressing steel:	
Ultimate tensile strength f <sub>pk</sub> :	1770 kN/m²
Tensile 0.1% proof stress f <sub>p0.1k</sub> :	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 other NDPs see the Technical documentation	index, possible complementary information on fire resistance and
Technical documentation: Product Handbook and Technic	al File*
* Available on request	
Note information on Dangerous Substances will only be g	iven when and where required in the appropriate form.
The performance of the product identified above is in conformity w manufacture's instructions.	ith the declared values, when installed in accordance with the
Signed on behalf of the manufacture:	Full name: Matthew Clay

Position: Management Director (Design Solution) 03 March 2014

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:- T008

Category I: Prestres	Category I: Prestressed Beams	
Concrete: Compressive strength	50.0 N/mm²	
Prestressing steel:  Ultimate tensile strength $f_{pk}$ Tensile 0.1% proof stress $f_{p0.1k}$ :	1770 kN/m² 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 \*

<sup>\*</sup> Available on request