

# Declaration of Performance

DOP/BP/HV-Hollowcore



Forterra Building Products Limited  
Trading as Bison Precast  
5 Grange Park Court, Roman Way  
Northampton, NN4 5EA

BS EN 1168:2005 + A3:2011

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## HOLLOWCORE SLABS FOR FLOORS

Prestressed / reinforced hollowcore slabs (for floors)

Essential Characteristics	Performance
Concrete Compressive Strength	C50/60 (N/mm <sup>2</sup> )
Wire/Strand Ultimate Tensile Strength	1770 (N/mm <sup>2</sup> )
Tensile 0.1% Proof stress	1470 (N/mm <sup>2</sup> )
For geometrical data, detailing, mechanical strength, acoustic insulation parameters and durability see design Specification	Design Drawings and Specification Related to Client Requirements
Reaction to Fire	Class A1
Dangerous Substances	NPD

See Also Declaration of Performance DOP/BP/HV-Hollowcore

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

1. Unique identification code of the product type

Type	Depth	Description
P100	100	100mm Plank (1200mm Wide)
P150C	150	150mm Cantilever Plank (1200mm Wide)
A150 and A159	150	150mm Hollowcore Slab (1200mm Wide)
A150N	150	150mm Hollowcore Slab (520mm Wide)
A150H and A159H	150	150mm Hollowcore Slab (sound - 1200mm Wide)
A150HN	150	150mm Hollowcore Slab (sound - 520mm Wide)
A200, A209 and E200	200	200mm Hollowcore Slab (1200mm Wide)
A200N	200	200mm Hollowcore Slab (520mm Wide)
A250	250	250mm Hollowcore Slab (1200mm Wide)
A300	300	300mm Hollowcore Slab (1200mm Wide)

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): Prestressed / reinforced hollowcore slabs (for floors)
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: Construction of floors, roofs and walls in buildings & other civil engineering works, except bridges.
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):
- Forterra Building Products Limited  
Trading as Bison Precast  
5 Grange Park Court, Roman Way,  
Northampton, NN4 5EA
5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
- System 2+**  
**1333-CPR-00197**

6. Declared Performance

Essential Characteristics	Performance	Harmonised Technical Specification
Concrete Compressive Strength	C50/60 (N/mm <sup>2</sup> )	EN 1168 : 2005 + A3:2011
Wire / Strand Ultimate Tensile Strength	1770 (N/mm <sup>2</sup> )	
Tensile 0.1% Proof stress	1470 (N/mm <sup>2</sup> )	
For geometrical data, detailing, mechanical strength, acoustic insulation parameters and durability see design Specification	Design Drawings and Specification Related to Client Requirements	
Reaction to Fire	Class A1	BS EN 13369 : 2013, Commission Decision 2000/605/EC
Dangerous Substances	NPD	EN 1168 : 2005 + A3:2011

7. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:  
**Dr John Cotton CEng MICE,**  
Engineering Manager

Date: 22<sup>nd</sup> December 2020

# Declaration of Performance

DOP/BP/SW-Hollowcore



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BS EN 1168:2005 + A3:2011

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## HOLLOWCORE SLABS FOR FLOORS

Prestressed / reinforced hollowcore slabs (for floors)

Essential Characteristics	Performance
Concrete Compressive Strength	C45/55 (N/mm <sup>2</sup> )
Wire Ultimate Tensile Strength	1670 (N/mm <sup>2</sup> ); 1770 (N/mm <sup>2</sup> )
Tensile 0.1% Proof stress	1556 (N/mm <sup>2</sup> )
For geometrical data, detailing, mechanical strength, acoustic insulation parameters and durability see design Specification	Design Drawings and Specification Related to Client Requirements
Reaction to Fire	Class A1
Dangerous Substances	NPD

See Also Declaration of Performance DOP/BP/SW-Hollowcore

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

1. Unique identification code of the product type

Type	Description
B20	100mm Plank
B30	150mm Hollowcore Slab
B40	150mm Hollowcore Slab (sound)
B50	200mm Hollowcore Slab
B60	250mm Hollowcore Slab
B70	260mm Hollowcore Slab

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): Prestressed / reinforced hollowcore slabs (for floors)
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: Construction of floors, roofs and walls in buildings & other civil engineering works, except bridges.
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

Forterra Building Products Limited  
Trading as Bison Precast  
5 Grange Park Court, Roman Way,  
Northampton, NN4 5EA

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

**System 2+**  
**1333-CPR-00222**

6. Declared Performance

Essential Characteristics	Performance	Harmonised Technical Specification
Concrete Compressive Strength	C45/55 (N/mm <sup>2</sup> )	BS EN 1168 : 2005 + A3:2011
Wire / Strand Ultimate Tensile Strength	1670 (N/mm <sup>2</sup> ); 1770 (N/mm <sup>2</sup> )	
Tensile 0.1% Proof stress	1556 (N/mm <sup>2</sup> )	
For geometrical data, detailing, mechanical strength, acoustic insulation parameters and durability see design Specification	Design Drawings and Specification Related to Client Requirements	
Reaction to Fire	Class A1	BS EN 13369 : 2013, Commission Decision 2000/605/EC
Dangerous Substances	NPD	BS EN 1168 : 2005 + A3:2011

7. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Dr John Cotton CEng MICE,  
Engineering Manager

Date: 22<sup>nd</sup> December 2020