

Declaration of Performance

DOP/BP/SC-Foundation Elements



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

BS EN 14991:2007

21

PRECAST PRODUCTS

Reinforced precast product – Foundation Elements

Essential Characteristics	Performance
Concrete Compressive Strength	C50/60 (N/mm ²)
Grade B500A: Ultimate tensile strength	525 (N/mm ²)
Grade B500B: Ultimate tensile strength	540 (N/mm ²)
Grade B500C: Ultimate tensile strength	575 (N/mm ²) minimum
Grade B500C: Ultimate tensile strength	675 (N/mm ²) maximum
Tensile Yield Strength (All grades)	500 (N/mm ²)
For geometrical data, detailing, mechanical strength, acoustic insulation parameters and durability see design Specification	Design Drawings and Specification Related to Client Requirements
Dangerous Substances	NPD

See Also Declaration of Performance DOP/BP/SC-Foundation Elements

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.

- Unique identification code of the product type.
Precast Concrete product – Foundation Elements

Type	Description
Pocket foundation element	Precast reinforced concrete unit capable of transferring vertical actions, bending moments and horizontal shear from structural components of the structure.
Columns with integrated foundation element.	Precast foundation element forming part of a column permanently fixed to it
Socket	Either vertical part of a pocket foundation element or separate precast unit corresponding to that part.
Footing	Horizontal; part of the pocket foundation element

- Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): Precast Concrete product – Foundation Elements
- Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: As a foundation element in buildings.
- Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

Forterra Building Products Limited
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- 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--00198

- Declared Performance

Essential Characteristics	Performance	Harmonised Technical Specification
Concrete Compressive Strength	C50/60 (N/mm ²)	BS EN 14991:2007
Grade B500A: Ultimate tensile strength	525 (N/mm ²)	
Grade B500B: Ultimate tensile strength	540 (N/mm ²)	
Grade B500C: Ultimate tensile strength	575 (N/mm ²) minimum	
Grade B500C: Ultimate tensile strength	675 (N/mm ²) maximum	
Tensile Yield Strength (All grades)	500 (N/mm ²)	
For geometrical data, detailing, mechanical strength, acoustic insulation parameters and durability see design Specification	Design Drawings and Specification Related to Client Requirements	BS EN 14991:2007
Dangerous Substances	NPD	

- 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: 22nd February 2021

Declaration of Performance

DOP/BP/SW-Foundation Elements



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BS EN 14991:2007

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PRECAST PRODUCTS

Reinforced precast product – Foundation Elements

Essential Characteristics	Performance
Concrete Compressive Strength	C50/60 (N/mm ²)
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Tensile Yield Strength (All grades)	500 (N/mm ²)
For geometrical data, detailing, mechanical strength, acoustic insulation parameters and durability see design Specification	Design Drawings and Specification Related to Client Requirements
Dangerous Substances	NPD

See Also Declaration of Performance DOP/BP/SW-Foundation Elements

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.

- Unique identification code of the product type.
Precast Concrete product – Foundation Elements

Type	Description
Pocket foundation element	Precast reinforced concrete unit capable of transferring vertical actions, bending moments and horizontal shear from structural components of the structure.
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Socket	Either vertical part of a pocket foundation element or separate precast unit corresponding to that part.
Footing	Horizontal; part of the pocket foundation element

- Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): Precast Concrete product – Foundation Elements
- Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: As a foundation element in buildings.
- Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

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Northampton, NN4 5EA

- 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

- Declared Performance

Essential Characteristics	Performance	Harmonised Technical Specification
Concrete Compressive Strength	C50/60 (N/mm ²)	BS EN 14991:2007
Grade B500A: Ultimate tensile strength	525 (N/mm ²)	
Grade B500B: Ultimate tensile strength	540 (N/mm ²)	
Grade B500C: Ultimate tensile strength	575 (N/mm ²) minimum	
Grade B500C: Ultimate tensile strength	675 (N/mm ²) maximum	
Tensile Yield Strength (All grades)	500 (N/mm ²)	
For geometrical data, detailing, mechanical strength, acoustic insulation parameters and durability see design Specification	Design Drawings and Specification Related to Client Requirements	
Dangerous Substances	NPD	BS EN 14991:2007

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

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