

# Declaration of Performance

DOP/BP/SW-Foundation Elements



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

BS EN 14991:2007

13

PRECAST PRODUCTS

Reinforced precast product – Foundation Elements

| Essential Characteristics  | Performance  |
|--|--|
| Concrete Compressive Strength  | C50/60 (N/mm <sup>2</sup> )                                      |
| Grade B500A: Ultimate tensile strength   | 525 (N/mm <sup>2</sup> )   |
| Grade B500B: Ultimate tensile strength   | 540 (N/mm <sup>2</sup> )   |
| Grade B500C: Ultimate tensile strength   | 575 (N/mm <sup>2</sup> ) minimum                                 |
| Grade B500C: Ultimate tensile strength   | 675 (N/mm <sup>2</sup> ) maximum                                 |
| Tensile Yield Strength (All grades)  | 500 (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 |
| 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. |
| 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):

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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-00222**

- Declared Performance

| Essential Characteristics  | Performance  | Harmonised Technical Specification |
|--|--|------------------------------------|
| Concrete Compressive Strength  | C50/60 (N/mm <sup>2</sup> )                                      | BS EN 14991:2007                   |
| Grade B500A: Ultimate tensile strength   | 525 (N/mm <sup>2</sup> )   |                                    |
| Grade B500B: Ultimate tensile strength   | 540 (N/mm <sup>2</sup> )   |                                    |
| Grade B500C: Ultimate tensile strength   | 575 (N/mm <sup>2</sup> ) minimum                                 |                                    |
| Grade B500C: Ultimate tensile strength   | 675 (N/mm <sup>2</sup> ) maximum                                 |                                    |
| Tensile Yield Strength (All grades)  | 500 (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 |                                    |
| 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.

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: 20<sup>th</sup> June 2018