

# Declaration of Performance

## DOP/BP/SC-Bridge Deck



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

**BS EN 15050:2007+A1 2012**

15

### PRECAST PRODUCTS

Reinforced Precast Product – Bridge Deck

Concrete Compressive Strength	C45/55 (N/mm <sup>2</sup> )
Ultimate Tensile Strength	650 (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/SC-Bridge Deck

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.  
Precast Concrete product – Bridge Deck
2. 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 – Bridge Deck
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: Deck elements for bridge construction.
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

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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-00198**

6. Declared Performance

Essential Characteristics	Performance	Harmonised Technical Specification
Concrete Compressive Strength	C45/55 (N/mm <sup>2</sup> )	EN 15050 : 2007 + A1:2012
Ultimate Tensile Strength	650 (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> ) min. 675 (N/mm <sup>2</sup> ) max	
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	EN 15050 : 2007 + A1:2012

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: 26<sup>th</sup> November 2018