

Declaration of Performance

DOP/BP/SC – Retaining Walls



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

BS EN 15258:2008

21

PRECAST PRODUCTS

Reinforced precast product – Retaining Walls

Essential Characteristics	Performance
Concrete Compressive Strength	C40/50 (N/mm ²)
Ultimate Tensile Strength	650 (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 – Retaining Walls

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
RW (H x W)	Retaining Wall

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 – Retaining Walls
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: Precast walls to retain natural ground, loose material and to form abutments
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-00198

6. Declared Performance

Essential Characteristics	Performance	Harmonised Technical Specification
Concrete Compressive Strength	C40/50 (N/mm ²)	BS EN 15258 : 2008
Ultimate Tensile Strength	650 (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) min. 675 (N/mm ²) max	
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 15258 : 2008

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: 22nd February 2021

Declaration of Performance

DOP/BP/SW – Retaining Walls



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

BS EN 15258:2008

21

PRECAST REINFORCED CONCRETE PRODUCTS

Retaining Walls

Essential Characteristics	Performance
Concrete Compressive Strength	C60/75 (N/mm ²)
Ultimate Tensile Strength	650 (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/SW – Retaining Walls

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
RW (H x W)	Retaining Wall

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): Precast Reinforced Concrete product – Retaining Walls
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: Precast walls to retain natural ground, loose material and to form abutments
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	C60/75 (N/mm ²)	BS EN 15258 : 2008
Ultimate Tensile Strength	650 (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) min. 675 (N/mm ²) max	
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 15258 : 2008

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: 22nd February 2021