

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

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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 December 2020

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

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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 |

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 December 2020

See Also Declaration of Performance DOP/BP/SC – Retaining Walls