

## No: PD 04 – Pollington Box Culverts

1. *Unique identification code of the product type:*

**Precast concrete products – Box culverts**

2. *Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4) of the CPR:*

**Box culverts of rectangular cross-section formed monolithically and designed as continuous elements with a joint detail shaped to allow the possible incorporation of sealing materials (see individual product markings for size, manufactured date and project reference)**

3. *Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:*

**For the creation of voids below ground for the conveyance and storage of materials e.g. conveyance and storage of wastewater, cable tunnels and subways**

4. *Name, registered trade name or registered trade mark and contact address of the manufacturer as required under article 11(5):*

**Marshalls Civils & Drainage, Pollington, Goole, East Riding of Yorkshire, DN14 0DU**

5. *Where applicable, name and contact address of the authorised representative whose mandate covers the task specified under Article 12(2):*

**Not applicable**

6. *System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:*

**System 2+**

7. *In case of the declaration of performance concerning a construction product covered by a harmonised standard:*

**BS EN 14844: 2006**

8. *In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:*

**Not applicable**

**9. Declared Performance:**

Essential characteristics	Performance	Harmonised technical specification
Compressive strength (of concrete)	40 MPa (N/mm <sup>2</sup> )	EN 14844:2006 clause 4.2
Ultimate tensile and tensile yield strength (of steel)	Ultimate tensile strength $f_{tk} = 575 \text{ N/mm}^2$ Tensile yield strength $f_{yk} = 500 \text{ N/mm}^2$	EN 13369 clause 4.1.3
Mechanical strength (by calculation)	Method 1	EN 14844:2006 ZA.3.2
Detailing	Units with rebated joint (type A)  <u>Tolerances:</u> Thickness of roof/floor slab: $\pm 10\text{mm}$ Internal width/height of opening: $\pm 1\%$ (max 15mm) Length of units: $\pm 1\%$ Joints: $\pm 6\text{mm}$  Technical documentation available on Site and on Marshalls Website	EN 14844 clause 4.3.1 and clause 8
Durability against corrosion	Suitable for use in exposure class XD3 environment	EN 14844:2006 clause 4.3.7

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

*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:



Simon Bourne

Chief Operating Officer.

Date: 15<sup>th</sup> April 2024

Place of Issue: Elland, Halifax, UK

Version 3 Job title updated.