

## Mells Pipes

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

**Precast concrete pipes and fittings with flexible joints (reinforced and unreinforced products)**

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:*

**Nominal sizes not exceeding DN1750 with circular bore, or WN/HN 1200/1800 for units with an egg-shaped bore (see individual product markings for size and manufactured date)**

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

**For the conveyance of sewerage, rainwater and surface water under gravity or occasional low head of pressure, in pipelines that are generally buried**

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

**Marshalls Civils & Drainage, Mells Road, Mells, Nr Frome, Somerset, BA11 3PD**

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 4**

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

**BS EN 1916: 2002**

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                      |
|---|---|---|
| Dimensional tolerances relevant to joints | As per factory documents to comply with the water tightness and joint performance criteria  | EN 1916:2002 clauses 4.3.3.2 and 4.3.4.1                |
| Crushing strength                         | Circular pipes – Class 120<br>Ovoid pipes – Class 150   | EN 1916:2002 clause 4.3.5 and BS 5911-1:2021 clause 5.6 |
| Longitudinal bending strength             | NDP (dimensionally adequate)  | EN 1916:2002 clause 4.3.6                               |
| Water tightness                           | 50kPa (0.5bar) internal hydrostatic test pressure   | EN 1916:2002 clause 4.3.7                               |
| Durability                                | Water cement ratio $\leq 0.45$<br><br>Max chloride content of 1% (unreinforced products) or 0.4% (reinforced products)<br><br>Water absorption $\leq 6\%$ by mass<br><br>Joint validation by Method 1 or 2<br><br>Concrete cover $\geq 15\text{mm}$ | EN 1916:2002 clauses 4.3.9 and 5.3.1.2                  |

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

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

Chief Operating Officer

Place of Issue: Elland, Halifax, UK

Version History: BS 5911-1 updated to 2021 and job title updated.