

Declaration of Performance

No: MD01 – 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 CPM, 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 watertightness and joint performance criteria | EN 1916:2002 clauses 4.3.3.2 and 4.3.4.1 |
| Crushing strength | Circular pipes – Class 120 Ovoid pipes – Class 150 | EN 1916:2002 clause 4.3.5 and BS 5911-1:2002 clause 5.6 |
| Longitudinal bending strength | NDP (dimensionally adequate) | EN 1916:2002 clause 4.3.6 |
| Watertightness | 50kPa (0.5bar) internal hydrostatic test pressure | EN 1916:2002 clause 4.3.7 |
| Durability | Water cement ratio ≤ 0.45 Max chloride content of 1% (unreinforced products) or 0.4% (reinforced products) Water absorption $\leq 6\%$ by mass Joint validation by Method 1 or 2 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:

Name: Mark Flavell

Position: Technical Director

Signed:



Date: 07.02.2019