



Construction Products Regulation
Declaration of Performance
Densleeve Clay Pipes and Joints

Year: 13

Product Range: Vitrified clay pipes and joints.

Intended Use: Buried drain or sewer systems for the conveyance of wastewater (including domestic wastewater, surface water and rainwater) under gravity and periodic hydraulic surcharge or under continuous low head of pressure.

Manufacturer: Naylor Drainage Ltd, Clough Green, Cawthorne, Barnsley. United Kingdom. S75 4AD

Authorised representative: Not applicable

Assessment and verification of constancy of performance: System 4

Relevant harmonised standard: EN 295-1:2013

European Technical Assessment: Not applicable

Declared performance

| Essential Characteristics | DN100 | DN150 | DN150 | DN200 | DN225 | DN250 | DN300 |
|---|-------|-------|-------|-------|-------|-------|-------|
| Length(m) | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 1.75 | 2 |
| Joint System | G | G | G | G | G | G | G |
| Reaction to Fire | A1 | | | | | | |
| Crushing Strength (F_N) (kN/m) | 34 | 34 | 40 | 56 | 45 | 70 | 72 |
| Longitudinal Bending Strength: | | | | | | | |
| Bending Moment Resistance (BMR) (kN/m) | 1.7 | 4.0 | 4.6 | 9.9 | 9 | | |
| Dimensional tolerances for:- | | | | | | | |
| Internal diameter | Pass | | | | | | |
| Length | Pass | | | | | | |
| Squareness of Ends | Pass | | | | | | |
| Straitness | Pass | | | | | | |
| Continuity of Invert | Pass | | | | | | |
| Joint inter-changeability | Pass | | | | | | |
| Watertightness (gas and liquid) and Permeability as: | | | | | | | |
| Watertightness | Pass | | | | | | |
| Airtightness | Pass | | | | | | |
| Watertightness of joint assemblies as: | | | | | | | |
| Angular Deflection | Pass | | | | | | |
| Shear Resistance | Pass | | | | | | |
| Release of dangerous substances | NPD | | | | | | |
| Durability of crushing strength and longitudinal bending strength, against: | | | | | | | |
| Chemical Resistance | NPD | | | | | | |
| Resistance against high pressure water jetting | Pass | | | | | | |
| Durability of watertightness against: | | | | | | | |
| Chemical and physical resistance to effluent | Pass | | | | | | |
| Thermal cycling stability | Pass | | | | | | |
| Long term thermal stability | Pass | | | | | | |

Note: The standard supplied crush strength for DN150 is 40kN/m

Specific Technical Documentation: Not applicable

The performance of the product identified is in conformity with the declared performance above. This declaration of performance is issued under the sole responsibility of the manufacturer identified.

Signed for and on behalf of the manufacturer by:



Ade Dickinson
 (Managing Director - Clayware)
 Barnsley, 14th October 2015