

# Declaration of Performance

DOP 1

This declaration of performance relates to the following precast concrete components for use in a manhole or in an inspection chamber:

**Manhole/Chamber Section  
DN900 to DN1200 & LN1200 x WN750**

The intended use is to permit access to, and allow aeration of, drain or sewer systems for the conveyance of sewage, rainwater and surface water under gravity or occasionally under low head of pressure, mainly installed in areas subjected to vehicular and / or pedestrian traffic

The products are manufactured by:

**Elite Precast Concrete Limited  
Halesfield 9,  
Telford  
Shropshire TF7 4QW**

The system of attestation of conformity:

**System 4**

These products are covered by the harmonized standard:

**BS EN 1917:2002**

Essential characteristic	Performance	Harmonised technical specification
Opening sizes	As clause 5.4.3 of BS 5911-3:2022	EN 1917:2002 clause 3.1.1.6
Mechanical resistance	Characteristic compressive strength of concrete = 40N/mm <sup>2</sup> (40MPa)  Strength class 30 - DN900 & DN1050 Strength class 25 - DN1200 & LN1200 x WN750	EN 1917:2002 clause 4.2.2.2  EN 1917:2002 clause 4.3.6
Load bearing capacity of any installed steps	Deflection 10mm under 2kN vertical load with permanent deflection 2mm  Resistant to 5kN pull-out force	EN 1917:2002 clause 4.3.7
Water tightness	No leakage at 50kPa (0.5 bar) internal water pressure (manholes)  No leakage at 30kPa (0.3 bar) internal water pressure (inspection chambers)	EN 1917:2002 clause 4.3.8
Durability	Adequate for normal serviceability conditions	EN 1917:2002 clause 4.3.10



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**ELITE PRECAST CONCRETE LIMITED,  
HALESFIELD 9, TELFORD, SHROPSHIRE TF7 4QW  
13**

**EN 1917:2002**

**Precast component for use in a manhole or in an inspection chamber  
Reinforced concrete shaft/chamber section**

<b>Water tightness:</b>	No leakage at 50kPa (0.5 bar) internal water pressure (manholes)
	No leakage at 30kPa (0.3 bar) internal water pressure (inspection chambers)
<b>Mechanical resistance:</b>	Strength class 30 - DN900 & DN1050
	Strength class 25 - DN1200 & LN1200 x WN750
<b>Load bearing capacity of any installed steps:</b>	Deflection 10mm under 2kN vertical load, with permanent deflection 2mm
	Resistant to 5kN pull-out force
<b>Durability:</b>	Adequate for normal serviceability conditions

Signed for and on behalf  
of the manufacturer:

**Richard Doody**  
Commercial Director

Dated 08.08.2024



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