



# Building Product Information Sheet | Class 1

**Product Name:** Humes Precast Concrete Septic Tank

**Product Line:** Humes Concrete Precast

**Product Description & its intended use (*measurements, materials, usage*):**

Humes manufactures a range of in-ground, precast concrete Septic Tanks that provide primary wastewater treatment for inclusion into on-site wastewater treatment systems processing domestic household wastewater discharges.

**Product Identifier:** N/A

**Place of Manufacture:** New Zealand

**Legal & Trading name of Manufacturer(s):** Fletcher Concrete & Infrastructure Limited trading as Humes Pipeline Systems

**Address for Service:** 810 Great South Rd, Penrose, Auckland 1062

**Website:** [www.humes.co.nz](http://www.humes.co.nz)

**Email Address:** [info@humes.co.nz](mailto:info@humes.co.nz)

**Phone No.:** 0800 502 112

**NZBN (If applicable):** 9429037777548

## Relevant Building Code Clauses:

With appropriate design, construction, and maintenance (see below), Humes Septic Tanks can demonstrate compliance with:

B1 - Structure: Performance clauses B1.3.1 to B1.3.4

B2 - Durability: Performance clauses B2.3.1(b) and B2.3.2 (b)

F2 - Hazardous Building Materials: Performance clause F2.3.1

F3 - Hazardous substances and processes: Performance clauses F3.3 (a), (b), (e)

G13 – Foul Water: Performance clauses G13.3.1, G13.3.2, G13.3.4

## Statement on how the building product is expected to contribute to compliance:

On-site wastewater treatment systems require specific engineering design by either appropriately experienced chartered professional engineers or registered drainlayers.

Humes Septic Tanks provide primary wastewater treatment. They are typically combined with other products such as PVC pipe, field tiles, gravity soakage trenches/beds, low pressure effluent distribution (LPED) / dose loading systems, drip-line irrigation systems, evapo-transpiration systems (ETS) and sand mounds systems to provide up a complete on-site wastewater treatment process.

To ensure compliance with the NZ Building Code, design needs to comply with recognized processes for on-site wastewater treatment systems.

Installation of Septic Tanks shall be conducted by experienced licensed building practitioners in accordance with the requirements of the relevant local regulator.

- **B1 – Structure:** The high strength certified concrete used to manufacture Humes precast Septic Tanks achieves the necessary structural strength to support gravity and live loads associated with correct installation.
- **B2 - Durability:** When installed into normal ground conditions (non-aggressive) and conducting domestic wastewater, which is supported by adequate ventilation, the properties of high strength certified concrete used to manufacture Humes precast Septic Tanks achieves compliance with section B2 of the NZBC.
- **F2 - Hazardous Building Materials:** Humes precast Septic Tanks comply with the requirements of section F2.3.1 of the NZBC.
- **F3 - Hazardous substances and processes:** Performance clauses F3.3 (a), (b), and (e).
- **G13 - Foul Water:** Performance clauses G13.3.1, G13.3.2, and G13.3.4.

## Limitations on the use of the building product:

On-site wastewater treatment systems, which include Septic Tanks, require specific site investigation and engineering design, with design undertaken by suitably experienced Chartered Professional engineers or Registered Drainlayers.

## Installation Requirements:

Installation shall be conducted by suitable qualified and experienced Licensed Building Professionals. Installers shall have full and comprehensive knowledge of the installation of on-site wastewater treatment systems. Installation shall be in accordance with the designer's specification and Territorial Local Authority regulations.

## Maintenance Requirements:

Once in service, Septic Tanks shall be appropriately maintained with sufficient frequency to ensure correct function.



Maintenance contractors shall have full and comprehensive knowledge of the maintenance requirements of on-site wastewater treatment systems. Maintenance shall be carried out in accordance with the designer's specification and Territorial Local Authority regulations.

For further information about the installation and maintenance of Septic Tanks, please refer to Humes website product page <https://www.humes.co.nz/concrete-precaster/septic-tanks-rectangular/>

**Supporting Documentation:**

The following additional documentation supports the above statements:

Humes Concrete Septic Tank Brochure, (September 2019),  
<https://www.humes.co.nz/assets/Uploads/c723304676/Humes-Concrete-Septic-Tanks-Brochure-20190924.pdf>

For further information supporting Humes Precast Concrete Septic Tanks refer to the Humes website.

**Is the building product/building product line subject to warning or ban under section 26?:** No

**If yes, description of warning or ban under section 26:**

**Date:** 30 November 2023