BUILDING PRODUCT INFORMATION REQUIREMENTS (BPIR) DECLARATION

Class 2 Product Declaration: Volumetric Transportable Ablution & Toilet Blocks Line

Product Line:	Portable Toilet Blocks / Ablution Blocks / Mobile Bathrooms
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1. Product Description & Method of Manufacture

Castle Portable Buildings manufactures customisable, pre-engineered volumetric transportable building lines designed for commercial, industrial, residential, and agricultural sanitation, welfare, and ablution utilities. The structural shell comprises genuine high-performance 50mm Bondor XFLAM insulated structural syntactic foam panels utilised for all external walls and roofing profiles, guaranteeing excellent thermal resistance and structural envelope consistency. The framing system is constructed from high-tensile Duro galvanised steel chassis rails supporting a primary subfloor network laid with 19mm H3 structural plywood sheets. Transport and site deployment mechanisms are fully integrated into the primary structural frame utilising robust, retractable lifting arms designed for engineered overhead hoisting sequences.

2. Scope & Limitations of Use

- **Wind & Seismic Zones:** Suitable for deployment in geographical wind zones up to and including 'High' as dictated by NZS 3604, and standard New Zealand seismic regions, contingent on final site-specific verification.
- **Foundation Requirements:** The structures must be placed on level, stable, and appropriately compacted ground or engineered pile configurations. Design and execution of site-specific foundations are excluded from the factory gate supply boundary.
- **Consents & Compliance:** This declaration covers the volumetric product kit assets from the factory gate. Site placement, regional planning limits, resource consents, and local territorial authority building consents under Schedule 1 of the Building Act 2004 are the sole responsibility of the end-user.

3. New Zealand Building Code (NZBC) Compliance Matrix

Clause B1 Structure B1.3.1, B1.3.2, B1.3.3, B1.3.4	**Compliance via AS/NZS 1170 and NZS 3404.** The primary structural sub-assemblies comprise heavy Duro galvanised steel chassis tracks and 19mm H3 structural plywood flooring panels. Envelope integrity is achieved via genuine 50mm Bondor XFLAM structural insulated panels. *Engineering Validation:* A structural design evaluation for the chassis and retractable lifting arms can be formally commissioned by Castle via an NZ Chartered Professional Engineer (CPEng) upon explicit request. Where required for site-specific council consents, this custom engineering validation and Producer Statement Design (PS1) can be prepared and released to clients, subject to engineer availability and an applicable design certification charge.
Clause B2 Durability B2.3.1(b)	**Compliance via B2/AS1.** All structural timber assets comprise 19mm plywood treated to H3 specification protecting against biological decay. Steel framing structures utilize continuous industrial galvanised coatings. External cladding faces feature pre-painted multi-layered steel skins integrated directly with the Bondor XFLAM insulated core, meeting standard 15-year durability durability baselines when maintained under normal atmospheric exposure conditions.
Clause E3 Internal Moisture E3.3.2, E3.3.3	**Compliance via E3/AS1 Section 3.0.** Internal linings within the sanitary spaces use completely non-porous and water-impervious materials. Main floor arrays are completely sealed flat with continuous heat-welded commercial sheet vinyl seams, coving up the wall bases to 150mm with a pencil fillet only as and when explicitly required by code or site consent protocols. Shower enclosures are explicitly isolated and lined with either dedicated commercial wall vinyl or an alternative code-compliant liner to prevent residual water penetration into structural elements.
Clause G1 Personal Hygiene G1.3.1, G1.3.2	**Compliance via G1/AS1.** The internal space is configured with sanitary fixtures (including water closets, urinals, and handwash basins) arranged according to layout designs specified by the client. The final determination of whether the quantity and configuration of fixtures satisfy regional occupancy calculations and occupant load rules for a specific site application remains the sole legal responsibility of the client or site planner during council submission.

Clause G9 **Electricity** G9.3.1	**Compliance via AS/NZS 3000 / AS/NZS 3001.2.** All factory electrical infrastructure, distribution boards, wiring tracks, and fixture connections are completed by Castle's contracted New Zealand Registered Electrician. Buildings are supplied with either an Electrical Certificate of Compliance (ECOC) or an Electrical Warrant of Fitness (E-WoF), depending strictly on whether the ordered configuration utilizes a permanent hardwired mains grid interface or a transportable caravan-style socket inlet. Site connection to electrical utility networks remains the responsibility of the client's local tradesperson.
Clause G12 **Water Supplies** G12.3.1, G12.3.7	**Compliance via G12/AS1.** Internal hot and cold water reticulation lines are routed underneath the building frame and brought up cleanly through the floor structural grid. The factory standard specification uses premium 15mm Buteline lines, unless an alternative sizing layout is designed by a hydraulics engineer. Units are supplied dry as standard with no hot water heating apparatus. Where the client requests hot water capability and specifies the source type (Gas Califont vs. HWC) and capacity volume (litres), Castle coordinates the subcontractor plumber. The certifying plumber handles the compliant brand selection, carries out the installation, and issues the final code-compliant sign-off.
Clause G13 **Foul Water** G13.3.1, G13.3.2	**Compliance via G13/AS1.** Waste drainage pipework inside the structures features 40mm DWV pipes for handwash basins and urinals routed through the wall framing profiles by default, and 100mm DWV pipes from water closet pans routed through the wall. Shower waste systems are routed down through the floor structural assembly. All factory foul water drainage systems terminate at the building exterior envelope with 80mm protruding stubs, providing a clean terminal point for the site plumber to link into local network utility infrastructure.

4. Installation, Storage & Maintenance Requirements

- **Installation & Hook-up:** The transportable building must be leveled accurately upon its designated foundation footprint. All structural lifting sequences must utilize the integrated, heavy-duty retractable lifting arms. Final site hook-ups to municipal or auxiliary water, sewerage, and electrical networks must be completed exclusively by New Zealand Licensed Plumbers and Registered Electricians who must verify site-side compliance.
- **Maintenance Protocols:** Surface profiles should be cleaned periodically with non-abrasive, pH-neutral detergents to maintain the integrity of the factory pre-painted steel panels. Seals, flashing barriers, and underfloor pipe joints should be inspected annually. Heat-welded vinyl floors should be cleaned using non-porous commercial vinyl cleaning standards to maintain slip resistance and moisture boundary performance.

Legal Disclaimer: This Building Product Information Requirements (BPIR) Declaration is issued by Castle Portable Buildings Limited to demonstrate compliance paths under the Building Amendment Act 2021. This document relates purely to the volumetric building component configurations as supplied from the factory gates. It does not replace site-specific engineering certifications, resource management authorizations, or local territorial authority building consent declarations.