Building Product Information & Technical Data Sheet

(BPIR – Class 1 | Technical Performance Statement)

SECTION 1 – TECHNICAL PERFORMANCE DATA

All performance values are determined in accordance with AS/NZS 4456.

PRODUCT DETAILS – RUSSLEY S76

Format: 230 × 76 × 70 (Nominal)

Units per m^2: 48.5

Units per pallet: 624

Property	Value
Compressive Strength (Average)	67mpa
Dry Weight (per unit)	1.75kg
Finished Wall Dry Weight	122kg
24H Cold-Water Absorption (Average)	6.4%
L.R.V.	15.62%

SECTION 2 — REGULATORY INFORMATION (BPIR)

This document is issued by W.D. Boyes & Sons Ltd trading as Canterbury Clay Bricks in accordance with Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

The products covered by this document are classified as Class 1 building products under the Building (Building Product Information Requirements) Regulations 2022. This document applies to Associated 70 Series clay brick formats supplied in New Zealand.

Manufacturer Details

Legal Name: W.D. Boyes & Sons Ltd
Trading Name: Canterbury Clay Bricks
NZBN: 9429040360966
Address for Service: 1 Horndon Street, Darfield, Canterbury, New Zealand
Phone: 03 341 5036
Email: info@clay-bricks.co.nz / Website: www.clay-bricks.co.nz
Country of Manufacture: New Zealand

Relevant New Zealand Building Code Clauses

Canterbury Clay Bricks contribute compliance with:

B1 — Structure
B2 — Durability
C3 — Fire Affecting Areas Beyond the Fire Source
E2 — External Moisture
F2 — Hazardous Building Materials

Canterbury Clay Bricks are manufactured in accordance with **AS/NZS 4455** and tested in accordance with **AS/NZS 4456**.

When installed as brick veneer in accordance with **NZS 4210:2001** and **E2/AS1**:

- The veneer is non-structural and supported by compliant brick ties.
- Wind and seismic loads are transferred to the primary supporting structure.
- A minimum 40mm drained and ventilated cavity prevents moisture transfer.
- The system satisfies the 50-year durability requirement.
- Clay bricks are kiln-fired above 1000°C and are non-combustible.
- Clay brick units satisfy C3 performance requirements when installed in accordance with the applicable Acceptable Solution or engineered design.

Specific engineering design is required where buildings fall outside the scope of **NZS 3604:2011**.

SECTION 3 — SCOPE, INSTALLATION, HEALTH & SAFETY, AND MAINTENANCE

Scope of Use

Suitable as external masonry veneer cladding for timber-framed buildings designed to **NZS 3604:2011**, buildings complying with E2/AS1, and structures subject to specific engineering design where required.

Veneer Height Limits (NZS 3604:2011 / E2/AS1)

Maximum veneer panel height: 7.5 metres
Maximum veneer height at gables: 10.0 metres
Single-storey panel height: 4.0 metres
Single-storey gable height: 5.5 metres

Specific engineering design is required where these limits are exceeded.

Installation Requirements

- Cavity width: 40–75mm
- Brick ties must meet durability and embedment requirements
- Mortar mix in accordance with industry best practice
- Cavity must remain clean and free of mortar droppings
- Weep holes provided at base and above openings
- Control joints installed where required

Installation shall comply with **NZS 4210:2001, NZS 3604:2011** (where applicable), and **E2/AS1**, or be subject to specific engineering design.

Bricks shall be laid and/or overseen by a competent trade-qualified tradesperson.

Refer to the Master Brick and Blocklayers Association Best Practice Guide, www.clay-bricks.co.nz/technical-specification/ or **SNZ HB 4236:2002** (Masonry Veneer Handbook).

Health and Safety

- Appropriate personal protective equipment (PPE) shall be worn when handling bricks.
- When cutting or modifying bricks, suitable PPE and dust suppression measures shall be used, and consideration shall be given to others working in the area.
- Refer to the Canterbury Clay Bricks Safety data sheet available at www.clay-bricks.co.nz/technical-specification/

Maintenance

- Inspect annually
- Keep weep holes clear
- Low-pressure cleaning only
- For detailed cleaning and maintenance guidance, refer to www.clay-bricks.co.nz/technical-specification/

Warning or Ban Status

The products covered by this document are not subject to any warning or ban under Section 26 of the Building Act 2004.

SECTION 4 — LIMITATIONS & DISCLAIMERS

- Brick veneer units supplied by Canterbury Clay Bricks are non-structural cladding units and are intended for use in drained and ventilated masonry veneer systems only.
- Brick veneer units shall not be filled with concrete or used as reinforced or load-bearing masonry unless specifically designed, detailed, and certified by a Chartered Professional Engineer.
- Product shall not be placed in direct ground contact unless specifically detailed and engineered for such application.
- Structural performance is dependent on the complete wall assembly, including framing, ties, fixings, flashings, and cavity construction.
- Installation shall comply with **NZS 4210:2001, NZS 3604:2011** (where applicable), and **E2/AS1**, or be subject to specific engineering design.
- Colour variation, texture variation, and dimensional tolerances are inherent characteristics of kiln-fired clay products and are not considered defects.
- The specifier, designer, and installer are responsible for ensuring the suitability of the product for the intended application.
- No performance claims are made beyond those stated in this document.

DOCUMENT CONTROL

Canterbury Clay Bricks | BPIR & Technical Data | Rev 01 | Feb 2026

This document supersedes all previous versions. Users are responsible for ensuring they are referencing the current version available from Canterbury Clay Bricks.