PGH™ FACE BRICKS

NZ PRODUCT TECHNICAL STATEMENT

E - 10/2026

Refer to product table below for applicable product codes covered by this document

Product Type & Application

PGH™ Face Bricks are kiln-fired bricks made predominantly from clay and shale fired at high temperatures and are suitable for masonry veneer exterior cladding applications. Formerly known as Monier Bricks® through The Brickery®, PGH Bricks are now available in New Zealand through CSR® Building Products.

Compliance with New Zealand Building Code

When correctly specified and installed, this product meets or contributes to compliance with the following performance requirements of the building code:

- **B1 Structure** B1.3.1, B1.3.2, B1.3.3(f, h, j) – PGH Face Bricks comply with AS/NZS 4455.1 to meet the minimum material quality standards as specified in B1/AS1.
- **B2 Durability** B2.3.1(a) – Bricks strength is demonstrated to meet the NZBC B2 – Durability requirements (NZS 4210 C2.1.4.5). Additionally, bricks have been tested in accordance to AS/NZS 4456.10 to determine exposure category and may be used depending on the exposure category requirement in Appendix 2.E of NZS 4210:2001.
- **C3 Fire affecting areas beyond fire source** C3.7(a) – Brick materials are deemed to be non-combustible as stated in the definition of terms in C/AS1.
- **C3 Fire affecting areas beyond fire source** C3.3 – Bricks can achieve an FRR of up to 60/60/60 which meets the requirement of C/AS1 5.1.1.2 and C/AS2 Table 2.4 for all Risk Groups except CA, WB and WS. See Limitations of Use for more details.
- **E2 External Moisture** E2.3.2, E2.3.3, E2.3.5, E2.3.6, E2.3.7 – Face bricks meet the requirements of E2/AS1 9.2.2(1) when tested in accordance with AS/NZS 4456.8.
- **F2 Hazardous building materials** F2.3.1 – Bricks are not classified as hazardous according to criteria of WorkSafe New Zealand GHS 7. However, the fine dust in/on the supplied product may include respirable crystalline silica. Cutting, breaking, drilling, sawing, grinding, and finishing may generate hazardous dust. Refer to the product SDS at pghbricks.co.nz for more information.

Basis of Compliance

- Testing to specific AS/NZS 4456 standards as required to demonstrate compliance with AS/NZS 4455.1 across the following reports:
  - PGH NATA Lab Report No. 2023078 – Crevole
  - PGH NATA Lab Report No. 2024014 – Alpine
  - PGH NATA Lab Report No. 2024013 – Devon
  - PGH NATA Lab Report No. 2024012 – Rockhampton
  - PGH NATA Lab Report No. 2024011 – Moon Dust
  - PGH NATA Lab Report No. 2026056 – Rustic Rose
- PGH NATA Lab Report No. 2026037 – Driftwood GreyProfessional Assessment, AS1530.4 –
  - BRANZ Assessment FC11917-01-2, 9 March 2026.
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B1 Structure, Second edition, 28 July 2025.
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability, Third edition, 28 July 2025.
- C/AS1 Acceptable Solution for Buildings with Sleeping (Residential) and Outbuildings (Risk Group SH), For New Zealand Building Code Clauses C1-C6 Protection from Fire, Second edition Amendment 1, 28 July 2025.
- C/AS2 Acceptable Solution for Buildings other than Risk Group SH, For New Zealand Building Code Clauses C1-C6 Protection from Fire, Second edition, 28 July 2025Verification Method E2/VM1 and Acceptable Solution E2/AS1 For New Zealand Building Code Clause E2 External Moisture, Fourth edition, 28 July 2025.
- Acceptable Solutions and Verification Methods for New Zealand Building Code Clause F2 Hazardous Building Materials, Amendment 3, 1 January 2017.
- PGH Safety Data Sheet for PGH Clay Bricks and Pavers, 26 June 2023.

This Product Technical Statement is published in accordance with the Building Act 2004 Section 14g. It relates to this product when it is produced at a CSR approved facility in accordance with CSR Specifications and approved materials, is unmodified, and installed in accordance with the technical data, plans, specifications, and advice prescribed by the manufacturer. It relates to the provisions of the building code in effect at the date of issue of this Product Technical Statement.

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NZ PRODUCT TECHNICAL STATEMENT

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Limitations of Use

- **IMPORTANT:** Do Not Modify This Product: Compliance with the evidence of suitability data referenced in this document is only achieved by the product or configuration listed in this PTS.
- Design and installation of the wall system should be in accordance with the New Zealand Building Code.
- These products are only intended for masonry veneer exterior cladding applications. Refer to respective product Durability Class in combination of NZS 4210 for appropriate applications.
- PGH Face Bricks have not been assessed for use in flooring applications.
- This product is not subject to any warning or ban declared by MBIE under section 26 of the Building Act 2004.
- AS 1530.4 Assessment for FRR is 60/60/60 for walls up to two storeys high. BRANZ FC11917-01-2 supports 60/60/60 where the veneer is not loadbearing and replaces one plasterboard face of a fire rated timber or steel stud wall system. Weep holes must meet the requirements of a Type A area in C/AS2 5.4.

Specific Design or Installation Instructions

- PGH Face Bricks are suitable for masonry veneer exterior cladding applications. Other applications would require specific engineering design.
- Design and installation of masonry veneer exterior cladding shall be in accordance with Section 11 of NZS 3604:2011, NZS 4210:2001, and/or Verification Method E2/VM1 and Acceptable Solution E2/AS1 For New Zealand Building Code Clause E2 External Moisture, Fourth edition, 28 July 2025.
- For general guidance on bricklaying refer to the Master Brick and Blocklayers® publication 'Brick Veneer Best Practice Guide' September 2023 Edition.

Conditions of Storage, Use & Maintenance

- Store in the original packaging in a cool, dry area, away from foodstuffs. Ensure packages are adequately labelled and protected from physical damage.
- Bricks are not classified as hazardous according to criteria of WorkSafe New Zealand GHS 7. However, the fine dust in/on the supplied product may include respirable crystalline silica. Cutting, breaking, drilling, sawing, grinding, and finishing may generate hazardous dust. Refer to the product SDS at pghbricks.co.nz for more information.
- Brick cleaning after bricklaying is a specialist trade and should only be undertaken by a professional. The chemicals and high-water pressures used can easily damage the product, if not done correctly. Different brick textures and colours often have different cleaning considerations. Dry brushing bricks periodically when laying to remove residual mortar is an effective way to reduce the amount of effort required to clean bricks. Bricks should be cleaned within 2 to 14 days of laying.

Brick Cleaning Guides are available at Bricksnz.co.nz/manuals

Alternatively, please contact PGH on 0800 999 277.

Applicable Product Codes

COLOUR	BRICK WEIGHT [kg per m²]	WORK SIZE (LxWxH) [mm]	DIMENSIONAL CATEGORY[1]	UNCONFINED COMPRESSIVE STRENGTH[2] (f'uc) [MPa]	DURABILITY CLASS[3]	PRODUCT CODE
Driftwood Grey	<150	230 x 70 x 76	DW1	>15	Exposure Grade	453650
Crevole	<120	230 x 70 x 76	DW1	>15	General Purpose	464612
Alpine	<110	230 x 70 x 76	DW1	>15	Exposure Grade	468281
Devon	<110	230 x 70 x 76	DW1	>15	Exposure Grade	468282
Rockhampton	<120	230 x 70 x 76	DW1	>15	Exposure Grade	473763
Moon Dust	<110	230 x 70 x 76	DW1	>15	Exposure Grade	480538
Rustic Rose	<110	230 x 70 x 76	DW1	>15	General Purpose	482470

1. Tested in accordance with AS/NZS 4456 Method 3: Determining dimensions
2. Tested in accordance with AS/NZS 4456 Method 4: Determining compressive strength of masonry units
3. Tested in accordance with AS/NZS 4456 Method 10: Determining resistance to salt attack

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Additional Product Data

COLOUR	Coefficient of Expansion[4] [mm/m/15 years]	Initial Rate of Absorption[5] (IRA) [kg/m²min]	Cold Water Absorption[6] [%]	Luminous Reflectance Value[7] [%]	Solar Absorptance Value[7] [%]	Core Percentage[8] [%]
Driftwood Grey	<1.2	<1.7	<12	34.8	43.9	≤30
Crevole	<1.6	0.5-1.5	<12	69.5	28.0	≤30
Alpine	<1	0.5-1.5	<10	61.0	34.5	≤30
Devon	<1	0.5-1.5	<10	48.8	41.1	≤30
Rockhampton	<1	0.5-1.5	<10	33.3	56.2	≤30
Moon Dust	<1	0.5-1.5	<10	40.8	50.0	≤30
Rustic Rose	< 1.5	0.5-1.5	< 12	15.3	64.1	31

4. Tested in accordance with AS/NZS 4456 Method 11: Determining coefficients of expansion
5. Tested in accordance with AS/NZS 4456 Method 17: Determining initial rate of absorption (suction)
6. Tested in accordance with AS/NZS 4456 Method 14: Determining water absorption properties
7. Tested in accordance with ASTM E903-20: Standard Test Method for Solar Absorptance, Reflectance, and Transmittance of Materials Using Integrating Spheres
8. Tested in accordance with AS/NZS 4456 Method 7: Determining core percentage and material thickness

For all:

Potential for Lime Pitting	When assessed to AS/NZS 4456 Method 13	Nil to Slight
Potential for Efflorescence	When assessed to AS/NZS 4456 Method 6	Nil to Slight

CLAY BRICK & PAVER MANUFACTURER'S ASSOCIATION

Membership: Clay Bricks and Pavers Manufacturer's Association New Zealand

PGH Bricks NZ, 14 The Furlong, Takanini, Auckland. For further technical advice call 0800 806 313/ email orders@csr.co.nz

PGH Bricks NZ is a business division of CSR Building Products (NZ) Limited (NZBN 9429040750194) with products manufactured by PGH Bricks & Pavers Pty Ltd (ABN 68 168 794 821), Australia, and supplied in New Zealand by CSR Building Products (NZ) Limited.

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