



Building Product Information Sheet | Class 1

Product Name:

Strata[®], Focus[®], Devonstone[®], Manorstone[®]

Product Line: Firth Masonry Bricks (Veneers)

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

Firth manufactures a range of masonry bricks in a variety of colours and textures for use as cladding elements acting as veneers which are tied back to structural elements (timber frame or structural masonry) with a ventilated cavity between brick and structural element.

Firth manufactures its masonry bricks (veneers) in accordance with NZS4210 and AS/NZS4455 with testing to AS/NZS4456 with an independently audited quality management system confirming to AS/NZS ISO9001.

Building Product Warranty statements are available on the Firth website.

Product Identifier:

Place of Manufacture: NZ

Legal & Trading name of Manufacturer(s): FLETCHER CONCRETE AND INFRASTRUCTURE LIMITED

Address for Service:

810 Great South Road
Penrose
Auckland 1061

Website: <https://www.firth.co.nz>

Email Address: info@firth.co.nz

Phone No.: 0800 FIRTH 1 / 0800 347 841

NZBN (If applicable): N/A



Relevant Building Code Clauses:

Firth manufactures its concrete Masonry bricks (veneers) to NZS4210, AS/NZS4455 with testing to AS/NZS4456 with an independently audited quality management system confirming to AS/NZS ISO9001.

With appropriate design, construction, and maintenance (see below), Firth concrete masonry bricks (veneers) can demonstrate compliance with-

- B2- Durability: Performance clauses B2.3.1(a) and B2.3.2.
- E2- External moisture: Performance clauses E2.3.2 and E2.3.3
- F2- Hazardous materials: Performance clauses F2.3.1

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

Concrete Masonry Bricks are products which are combined with other products such as mortar, brick ties, bed reinforcement, and sometimes coatings to make up a system such as a masonry brick wall. To ensure compliance with the NZ Building Code, design and detailing (including but not limited to cavity design, ties, cavity drainage, flashings, and control joints) need to comply with sections E2/AS1, or E2/AS3 of the NZBC, or NZS4229 as appropriate. Bricks used in two storied construction shall be specifically designed or comply with Firths "Two Storey Masonry Veneer Solutions". Construction of the masonry system needs to confirm to NZS4210, and the most recent issue of the Firth "Brick Veneer Technical Guide".

The Firth documents are available for free download on the Firth website.

Durability - B2: Firth brick veneer achieve a compressive strength required by NZS4210 to achieve compliance with the requirements of section B2 of the NZBC.

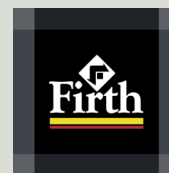
External Moisture - E2: Firth Masonry Bricks are classified as an acceptable solution in accordance with sections E2/AS1 (timber framing) and E2/AS3 (concrete support) and meet the requirements of the NZBC. Designer shall ensure detailing is in compliance with E2/AS2 or AS3 as applicable.

Hazardous Building Materials - F2: Firth Masonry bricks comply with the requirements of section F2.3.1 of the NZBC. Safety data sheets are available on the Firth website.

Limitations on the use of the building product:

The texture and colour of Firth bricks will vary due to the natural materials used in manufacture. Minor chipping, cracking and efflorescence is not deemed a product defect when evaluated and deemed compliant with ASTM C216-22 with viewing distance as per ASTM C90.

Bricks can be used for structures within the scope of E2AS2 and E2AS3 and/or the Firth two storied masonry veneers document or by Specific Engineering design.



Design requirements that would support the use of the building product:

Concrete bricks is a product which is combined with a range of other products such as mortar, veneer ties, in bed reinforcing, steel lintels, flashings, control joints, coating systems, ventilated cavities, timber/masonry support frames etc. to produce the end product.

To ensure compliance with the NZBC, design to determine the performance requirements of the concrete shall be conducted by suitably qualified persons familiar with a range of NZ Design Standards and the preparation of specifications for construction.

Installation requirements:

Installation shall be conducted by suitable qualified and experienced Licensed Building Practitioner. Installers shall have full and comprehensive knowledge of the requirements of NZS4210 and good trade practice.

Maintenance Requirements:

Firth Bricks shall be maintained by annual inspection and cleaning as necessary as specified by the designer.

Is the building product/building product line subject to warning or ban under section 26?

Yes No

If yes, description of warning or ban under section 26: N/A

Date: 08/11/23