



# Building Product Information Sheet | Class 1

**Product Name:**

Chancery<sup>®</sup>, Courtyard Flagstone, Forum<sup>®</sup> (50 & 80), Manhattan, Piazza<sup>®</sup> (50 & 80), Walkway Paver, Holland<sup>®</sup> (50 & 80) and Holland<sup>®</sup> 80 Set

**Product Line:** Firth Concrete Segmental Paving

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

Firth Concrete Segmental Paving is available in a range of colours and finishes under product groupings of Residential and Commercial. The products being: Chancery<sup>®</sup>, Courtyard Flagstone, Forum<sup>®</sup> 50, Forum Flagstone 80, Manhattan, Piazza<sup>®</sup> (50 & 80), Walkway Paver, Holland<sup>®</sup> (50 & 80) and Holland<sup>®</sup> 80 Set.

Firth manufactures its Concrete Segmental Paving products to NZS3116 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:** N/A

**Place of Manufacture:** Aotearoa New Zealand

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

**Address for Service:**

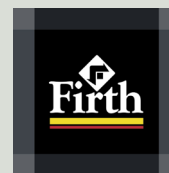
810 Great South Road  
Penrose  
Auckland, 1061

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

**Email Address:** [info@firth.co.nz](mailto: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 Segmental Paving products to NZS3116 with testing to AS/NZS4456 with an independently audited quality management system confirming to AS/NZS ISO9001.

With appropriate design, construction, and maintenance to NZS3116, Firth Concrete Segmental Paving 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.
- D1- Assess Routes: Performance clauses D1.3.3(d)
- F2- Hazardous materials: Performance clauses F2.3.1

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

Concrete Segmental Paving are products which are combined with other products such as hardfill, bedding sand, joint sand, and sometimes coatings, to make up a system such as a paved area. To ensure compliance with the NZBC, design needs to comply with NZS3116.

Installation of the paving system also needs to confirm to NZS3116. When paving forms part of the access route to which the public have access compliance with the slip resistance requirements of clause D1 of the NZBC is required.

Structure - B1: The required breaking strength of Concrete Segmental Paving for the intended purpose is determined by others (Designers) designing to NZS3116 or other recognised design Standard. Where required, abrasion resistance values are specified as defined in NZS3116. Bedding, and jointing sand as well as granular materials need to be in accordance with NZS3116 or other recognised design Standard.

Durability - B2: Compliance for Concrete Segmental Paving requires appropriate specification for the intended purpose as defined in NZS3116 and ensuring all components including underlying ground conditions are suitable.

Access Routes D1- The required surface skid resistance of surfaces for access routes is specified by others (Designer) D1/AS1 provides guidance on the performance of various surface textures. Compliance with D1 is achieved by others (Designer) specifying the required surface texture and/or confirmatory skid resistance testing. Firth Concrete Segmental Paving are manufactured with a slip resistance classification of W as required by NZS3116 when tested to AS/NZS4586. Surface treatments such as sealing can reduce the slip resistance and therefore sealing systems need to be selected by the designer and applied by the contractor with care.

Hazardous Building Materials - F2: Firth Concrete Segmental Paving comply with the requirements of section F2.3.1 of the NZBCS.



### Limitations on the use of the building product:

The Designer finish range should be sealed by the installer. Ideally, all Concrete Segmental Paving should be sealed to help increase long term durability, aid colour retention, and reduce maintenance.

Access Routes- D1: Firth Concrete Segmental Paving without sealers has been tested to demonstrate compliance with the slip resistance requirements of 2.1.1 of clause D1 for level access routes. Sealers, depending upon the product used, may reduce the slip resistance. However, when necessary, additives can be added to the sealers to enhance slip resistance. When sealers are proposed seek advice from the sealer manufacture.

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

Concrete Segmental Paving products which is combined with a range of other landscaping materials such as hardfill, bedding sand, jointing sand, sealers to produce the end-product.

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

### Installation requirements:

Firth documents are available for free download on the Firth website. When Concrete Segmental Paving form part of the access route to which the public have access compliance with the slip resistance requirements of clause D1 of the NZBC is required.

### Maintenance Requirements:

Firth Concrete Segmental Paving products shall be maintained by annual inspection and cleaning as necessary. Recommendations on maintenance are provided in *Firths Paving Concepts* brochure.

### 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