

Viblock

Building Product Information Requirements

Class 1 - Structural Masonry



Details

Product names: 15, 20, 25 & 30 Structural Masonry
Manufacturer: Viblock Limited
Website: www.viblock.co.nz
Address: 165 McPherson Rd, Earnscleugh, Alexandra 9391
Email: sales@viblock.co.nz
Phone: 0800 VIBLOCK / 0800 842 568
NZBN: 9429035344124

Product Description

Viblock manufactures structural masonry products in various sizes, colours, and finishes for use as walls or structural elements. These products are combined with mortar, reinforcing, grout, control joints, coatings etc to create structural walls.

Relevant Building Code Clauses

Viblock manufactures all structural masonry products following AS/NZ4455 with independent testing to AS/NZ4456 from an IANZ-accredited lab. With appropriate design, construction and maintenance, Viblock masonry products demonstrate compliance with;

B1- Structure: Performance clauses B1.3.1 to B1.3.4

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

C6- Structural stability during fire: Performance clauses C6.

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

To ensure compliance with the NZBC, design to determine the performance requirements of the concrete structural masonry shall be conducted by suitably qualified persons familiar with a range of NZ Design Standards. In addition, construction shall be conducted by appropriately skilled persons in accordance with NZS4210 and good trade practice.

Concrete structural masonry products are combined with other products, such as mortar, grout, reinforcing, and coatings, to make up a system such as a masonry wall. To ensure compliance with the NZBC, the design needs to comply with the relevant Design Standard, typically NZS4229 or NZS4230.

Statement on how the building product is expected to contribute to compliance (cont.)	<p>Installation of structural masonry and other components needs to conform to NZS4210.</p> <p>Structure—B1: Viblock masonry achieves the compressive strengths required by NZS4210 to comply with the requirements of design Standards NZS4229 and NZS4230 and, therefore, section B1 of the NZBC.</p> <p>Durability - B2: Viblock masonry achieves the compressive strength required by NZS4210 to comply with the requirements of design standards NZS4229 and NZS4230 and, therefore, section B2 of the NZBC.</p> <p>External Moisture - E2: Compliance is achieved by following the requirements of E2/AS3 (CCANZ CP:01).</p> <p>Fire Performance—C: Viblock masonry is classified as non-combustible, and its fire rating is determined by others (the designer) using standards such as NZS4230.</p> <p>Hazardous Building Materials - F2: Viblock masonry complies with the requirements of section F2.3.1 of the NZBC. Safety Data Sheets are available on the Viblock website.</p>
Product limitations	<p>Viblock structural masonry is produced from natural materials, so slight variation is expected during manufacture. Minor chipping, cracking, rubbing, and efflorescence are not deemed product defects when evaluated and deemed compliant with ASTM C216-22 with viewing distances as per ASTM C90.</p> <p>Structural masonry can be used for structures within NZS4230 or NZS4229, as applicable.</p>
Installation requirements:	<p>Viblock recommends using a master mason to install structural masonry. The installer should be a licensed building practitioner and have a good understanding of NZS4210.</p>
Maintenance requirements:	<p>Viblock recommends sealing all products exposed to the elements. For up-to-date maintenance information, refer to our website.</p>
Is the building product line subject to a warning or ban under section 26?	No

