810 Great South Rd, Penrose
PO Box 1359, Shortland Street, Auckland 1010
t: 0800 CEMENT **w:** goldenbay.co.nz

Building Product Information Sheet | Class 1

Product Name:	EcoSure® GP Cement, EcoFast® HE Cement, EcoZero® GP Cement
Product Line:	HE & GP Cement

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

Golden Bay cement uses a range of carefully selected raw materials and is manufactured under strict quality control ensuring that the cement consistently reaches high standards of strength and durability. Golden Bay cement is continuously tested and certified from our IANZ accredited lab to ensure that it meets and exceeds the minimum specification set out in NZS 3122.
Golden Bay cement is used in commercial, industrial and residential construction, including structural concrete, mortars, renders, grouts and cement-based products. It can also be used as a general binder for applications such as soil stabilisation and for precast concrete products.
Golden Bay operates a quality management system that conforms to AS/NZS ISO 9001 and is certified by Telarc.

Product Identifier:	N/A
Place of Manufacture:	Portland, Whangarei, New Zealand
Legal & Trading name of Manufacturer(s):	Fletcher Concrete & Infrastructure Ltd Trading As Golden Bay
Address for Service:	810 Great South Road, Penrose, Auckland 1010
Website:	www.goldenbay.co.nz
Email Address:	info@goldenbay.co.nz
Phone No.:	0800 CEMENT
NZBN (If applicable):	N/A

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Relevant Building Code Clauses:

Golden Bay cements meet and exceed the minimum specification set out in NZS 3122. Golden Bay operates a Telarc-certified Quality Management System conforming to AS/NZS ISO 9001 and an IANZ-accredited laboratory for product testing and certification.

Cement is often used as a raw material for products such as concrete. Building code compliance statements should be sought from the manufactures of the finished product. Manufacturers should be able to demonstrate that with appropriate design, construction, and maintenance, buildings made with Golden Bay cement can be demonstrated to comply with:

B1-Structure
B2- Durability
C – Fire performance
F2- Hazardous materials

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 products incorporating Golden Bay cement shall be conducted by suitably qualified persons familiar with a range of NZ cement and end product Standards. In addition, construction shall be conducted by appropriately skilled persons in strict accordance with the end product manufacturers recommendations. For concrete this would require construction in accordance with NZS 3109 and good trade practice.

Structure - B1: Compliance for cement is determined by achieving performance criteria specified by NZS 3122. NZS3122 being the cement standard referenced in NZS3101 for concrete design and construction. Golden Bay's in-house and independent quality auditing ensure required properties at dispatch from the manufacturing plant, comply with those specified by NZS 3122. Concrete production, placement, on site control, vibration, and curing is the responsibility of others.

Durability - B2: Compliance for cement is typically determined by determined by achieving performance criteria specified by NZS 3122. Others (designers) determine the appropriate concrete solution and mix design required for the exposure category. Golden Bay's in-house and independent quality auditing ensure cement production follows good manufacturing practice as defined by ISO9001. Concrete production, placement, vibration, cover to reinforcement, and curing is the responsibility of others.

Fire Performance - C: Golden Bay cement is a non-combustible material. Fire ratings of concretes produced with Golden Bay cement are determined by NZS 3101.

Hazardous Building Materials - F2: Golden Bay cement comply with the requirements of section F2.3.1 of the NZBCS

Limitations on the use of the building product:

Golden Bay cement set and strength performance will vary due to materials and mix designs used in concrete manufacture and the finishing/curing techniques utilised, so some variability must be expected. Efflorescence, pinto, delamination, or colour variation is not deemed a Golden Bay cement defect as control is outside of the responsibility of Golden Bay. The control and management of cracking is the responsibility of the designer (appropriate positions of joints and reinforcement) or the concrete placer/builder (early age protection and curing).

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

Cement is a product which is combined with a range of other products such as sand, aggregates, hardfill, reinforcement, fibres, supports, anchors, structural steel, insulation, void forming pods, specialist surface finishes, jointing systems etc. to produce the end product. Cement is most often used as a raw material rather than a finished product.
To ensure compliance with the NZBC, definition of the performance requirements of Golden Bay cement shall be conducted by suitably qualified persons familiar with a range of NZ Design Standards and the preparation of specifications for construction.

Installation requirements:

Cement is a product which is combined with a range of other products such as sand, aggregates, hardfill, reinforcement, fibres, supports, anchors, structural steel, insulation, void forming pods, specialist surface finishes, jointing systems etc. to produce the end product.
To ensure compliance with the NZBC, use of Golden Bay cement in construction shall be conducted by appropriately skilled persons in strict accordance with the designer's specification, NZS3104, NZS3109 and good trade practice.

Maintenance Requirements:

N/A

Is the building product/building product line subject to warning or ban under section 26?:	No
If yes, description of warning or ban under section 26:	

Date: 30 October 2023