NZIC GP Cement

Product Name: NZIC GP Cement

Product Line: HE & GP Cement

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

NZIC 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. NZIC cement is tested and certified by an IANZ accredited lab to ensure that it meets and exceeds the minimum specification set out in NZS 3122.

NZIC 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.

Product Identifier: N/A

Place of Manufacture: Vissai Ninh Binh cement plant, Vietnam

Legal & Trading name of Manufacturer(s): Vissai Cement Group

Legal & Trading name of Importer(s): New Zealand Independent Cement

Address for Service: 22 McAlpine Street, Christchurch, 8042

Website: nzindependentcement.co.nz

Email Address: sales@nzindependentcement.co.nz

Phone No.: 0800 692 3636

NZBN (If applicable):

Relevant Building Code Clauses:

NZIC cements meet and exceed the minimum specification set out in NZS 3122.

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 NZIC 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 NZIC 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. NZIC's quality control ensures required properties at dispatch 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 determined by achieving performance criteria specified by NZS 3122. Others (designers) determine the appropriate concrete solution and mix design required for the exposure category. Concrete production, placement, vibration, cover to reinforcement, and curing is the responsibility of others.

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

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

Limitations on the use of the building product:

NZIC 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.
Any performance and durability requirements within the final building product in which NZIC GP is being used is the responsibility of the designer incorporating the NZIC GP into the final product. NZIC does not warranty the product as part of a component system. Efflorescence, pinto, delamination, or colour variation is not deemed a NZIC cement defect as control is outside of the responsibility of NZIC. 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).

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 NZIC 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 NZIC 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: 23 January 2024