



## Merit Ceramic Glazed Bricks from KLINKER COVADONGA



## Product

- 1.1 Merit Ceramic Glazed Bricks (from KLINKER COVADONGA) are a range of kiln-fired clay bricks used as an exterior cladding of, and interior decorative finish for, all types of buildings.
- 1.2 Merit Ceramic Glazed Bricks are intended to be installed over a NZBC compliant flexible or rigid air barrier onto a suitable supporting foundation.
- 1.3 Merit Ceramic Glazed Bricks are to be installed by suitably experienced and competent tradespersons, within the scope and limitations described in the manufacturer's technical literature.
- 1.4 The Merit Ceramic Glazed Brick product range is classified as Exposure Grade. They have no efflorescence, are resistant to salt attack, are resistant to frost and classified as fit for use in marine, coastal and saline environments and they tolerate intense sunlight and freezing weather conditions well.
- 1.5 The Merit Ceramic Glazed Brick product has a ceramic glazed decorative finish fused on a single fired clay brick, which is available in a wide range of colours, textures and finishes, requiring little ongoing maintenance.

## Compliance

- 2.1 In the opinion of BEAL, Merit Ceramic Glazed Bricks, when designed, installed and maintained in accordance with the statements and conditions of this Product Technical Statement, will meet the following provisions of the New Zealand Building Code:
  - Performance Clause B1.3.3 (a) & (h) for self-weight and resistance to wind forces
  - Performance Clause B1.3.2 covering adhesion of the mortar
  - Performance Clause B2.3.1(b) for durability being not less than 15 years
  - Performance Clause E2.3.2 covering external moisture
  - Performance Clause F2.3.1 covering use of a non-hazardous material.
- 2.2 The Merit Glazed Bricks have been assessed as 'an alternative solution' in terms of a building code compliance pathway.

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## Scope and Limitations

- 3.1 The materials and workmanship of masonry veneer shall be in accordance with SNZ HB 4236 and have a maximum mass of veneer of 220 kg/m<sup>2</sup> and minimum veneer thickness of 70 mm
- 3.2 Masonry units shall be laid-up in running (stretcher) bond
- 3.3 ) Mortar, materials (cement, sand and admixtures) shall comply with NZS 4210
- (3.4) Mortar joints less than 24 hours old shall not be subject to vibration, such as would result from the nailing of interior linings.

## Technical Literature

- 4.1 Technical literature supplied:
- ◆ ASTM C1405-22 Standard Specification for Glazed Brick (Single Fired, Brick Units)
  - ◆ Kiwa Netherlands NL BSB® Product Quality Certificate K-0208342-1, dated 1 January 2023
  - ◆ USA & Canada ASTM C 67-16 Standard Test Methods for Sampling and Testing Standard Classification for Glazed Brick (Single Fired Brick Units), Clemson University, The Bishop Materials Laboratory (an Accredited Laboratory), Test Report 8188-18654 on Klinker Covadonga Glazed Bricks, dated 05 July 2018
  - ◆ AENOR (Accredited ENAC Product Certifier, Madrid, Spain) Product Materials Quality Certificate 034/001879 ("Certificado AENOR de Producto Materiales de arcilla cocida para construcción") on Klinker Covadonga Ceramic Glazed Bricks, issued 23 August 2017
  - ◆ Klinker Covadonga Declaration as to Exposure Grade Classification, dated 26 May 2023.
  - ◆ Klinker Covadonga Declaration of Performance – Ceramic Glazed Brick 194x92x57
  - ◆ Klinker Covadonga Declaration of Performance – Ceramic Glazed Brick 210x100x48
  - ◆ Klinker Covadonga Declaration of Performance – Ceramic Glazed Brick 215x102x65
  - ◆ Klinker Covadonga Declaration of Performance – Ceramic Glazed Brick 220x105x48
  - ◆ Klinker Covadonga Declaration of Performance – Ceramic Glazed Brick 230x110x76
  - ◆ CE Declaration of Performance for Klinker Covadonga Clay Pavers for External and Internal Floor Coverings and Conformance with EN 1344 - Clay Pavers.

## Result of the assessment

5.1 In the opinion of BEAL, compliance with the relevant performances of the New Zealand Building Code has been established based on an independent third party review of the test reports supplied by the supplier. In addition, the supplier has provided a statement of in-service history demonstrating compliance over time in many projects. All of the data provided to the reviewer has been assessed for suitability.

5.2 Continuous compliance is reliant on the building owner maintaining the product in accordance with the manufacturer's maintenance instructions.

Authorised Signatory,



C R Prouse - Director

**Building Element Assessment Laboratory Limited**  
[30 May 2023]

