Building Product Information Sheet

Crown porcelain floor and wall tiles · Class 1 designated building product

Nov 20, 2026 · @Frank

1. Product

This sheet covers Crown porcelain floor and wall tiles, a Class 1 (batch-produced) building product under the Building (Building Product Information Requirements) Regulations 2022.

Field	Details
Product name	Crown porcelain floor and wall tiles
Other product names	All Crown porcelain tile ranges listed at www.crowntiles.co.nz/products, in sizes including 600×600 mm and 600×1200 mm
Product identifier	Crown product code shown on the carton label and on the Crown quote or invoice
Description	Glazed full-body porcelain tiles, dry-pressed and fired, produced in batches to a general specification. ISO 13006 Group BIa (water absorption 0.5% or less). Nominal thickness 10 mm (9.7 mm as tested)
Intended use	Interior floor and wall finish in residential buildings, including bathrooms, laundries, kitchens and splashbacks. Fixed with tile adhesive to a suitable substrate, over a waterproofing membrane in wet areas

2. Manufacturer and importer

The tiles are made in Zibo, China, under the Crown Ceramics brand, founded in 1972. Crown Tiles Limited imports them into New Zealand and is the responsible person for this information.

Field	Manufacturer	Importer
Legal name	Shandong Crown Ceramics Technology Co., Ltd	Crown Tiles Limited
Trading name	Crown Ceramics	Crown Tiles
NZBN	Not applicable (overseas)	9429047166684
Address for service	Zichuan District, Zibo, Shandong, China	Unit C3, 27–29 William Pickering Drive, Rosedale, Auckland 0632
Website	www.huangguantaoci.com	www.crowntiles.co.nz
Email	Contact through the importer	frank@crowntiles.co.nz
Phone	Contact through the importer	027 968 1530

3. Building Code compliance

When installed and maintained as set out below, the tiles contribute to three Building Code clauses. Each statement rests on the independent test results listed below.

Clause	How the tiles contribute
B2 Durability, B2.3.1(c)	Meets ISO 13006 Annex G for Group BIa porcelain tiles, including breaking strength, surface abrasion, crazing and frost resistance. Expected to stay serviceable as a floor and wall finish for at least 5 years with normal maintenance
D1 Access routes, D1.3.3(d)	Slip resistance rated R12 in the DIN 51130 ramp test
E3 Internal moisture, E3.3.3, E3.3.4 and E3.3.5	Water absorption of 0.24% gives an impervious, easily cleaned surface for floors and walls in bathrooms, laundries and kitchens once grouted

Test results

Property	Test method	Result
Water absorption	ISO 10545-3	0.24% (limit 0.5%)
Breaking strength	ISO 10545-4	2,285 N (minimum 1,300 N)
Modulus of rupture	ISO 10545-4	40.9 N/mm² (minimum 35 N/mm²)
Surface abrasion	ISO 10545-7	Class 3, 1,500 cycles
Crazing resistance	ISO 10545-11	Passed
Frost resistance	ISO 10545-12	Passed
Stain resistance	ISO 10545-14	Class 5 (minimum Class 3)
Household chemicals and pool salts	ISO 10545-13	Class A
Slip resistance, ramp test	DIN 51130	R12 (27.9°)
Static coefficient of friction	ASTM C1028	0.98 dry, 0.74 wet
Scratch hardness	EN 15771	Mohs 7
Radioactivity	GB 6566-2010	Class A decorative material

Test report no. 25201802420, issued 20 June 2018 by the Inspection and Quarantine Comprehensive Technology Centre of Foshan Entry-Exit Inspection and Quarantine Bureau, on a 600×600×9.7 mm glazed full-body porcelain tile. All sizes in the range, including 600×1200 mm, are made on the same production line to the same specification.

The tiles are a surface finish only. Compliance of the finished floor or wall also depends on the substrate, waterproofing membrane, adhesive and grout used with them.

4. Limitations on use

The tiles are a non-structural interior finish and do not waterproof a wet area on their own.

- This sheet covers interior floors and walls only.
- Wet areas need a waterproofing membrane system under the tiles. Tiles and grout alone are not a waterproof barrier.
- Polished and smooth finishes are not slip-resistant when wet. Do not use them on shower floors, wet-area floors, entries, ramps or stairs.
- Surface abrasion Class 3 suits residential floors. The tiles are not for heavy commercial or industrial traffic.

- 600×1200 mm tiles are not suited to shower floors that fall to a centre waste, unless they are cut to the falls.

5. Design requirements

The designer must match the tile finish to the location and provide a substrate fit for tiling.

- Substrate: sound, flat and stiff enough for tiling. Timber floors need a suitable tile underlay.
- Wet areas: a waterproofing membrane under the tiles, with floor falls to the waste.
- Slip resistance: choose a slip-resistant finish for wet floors and access routes.
- Movement joints: at perimeters, at changes of substrate and across large areas, as set out in AS 3958.
- 600×1200 mm tiles: allow a flatter substrate tolerance, and stagger brick-bond layouts by no more than one third of the tile length.

6. Installation requirements

The tiles must be laid by a competent tiler in line with AS 3958 and the adhesive and membrane makers' instructions.

- Check tiles for damage, shade and size before laying. Do not lay tiles with visible defects.
- Use a cement-based tile adhesive classified C2 or better under ISO 13007-1, suited to porcelain tiles with water absorption below 0.5%, with full coverage under each tile.
- Back-butter 600×1200 mm tiles and use a levelling system to control lippage.
- Keep grout joints and movement joints to AS 3958. Do not butt-joint tiles.
- Seal internal corners and junctions with fixtures using a flexible sealant.

7. Maintenance requirements

Regular cleaning and upkeep of grout and sealant joints keep the tiled surface serviceable and watertight.

- Clean with water and a pH-neutral cleaner. Avoid abrasive and strongly acidic cleaners.
- Check grout and sealant joints at least once a year. Repair or replace any that are cracked, loose or missing.
- Replace cracked or loose tiles promptly, especially in wet areas.

- Full instructions are in the Crown Tile Care and Maintenance Guide, published with this sheet at www.crowntiles.co.nz.

8. Warning or ban, and version

Crown porcelain floor and wall tiles are not subject to a warning or ban under section 26 of the Building Act 2004.

Field	Details
Version	1.0
Date	20 November 2026
Responsible person	Frank Wang, Director, Crown Tiles Limited