

Bates Surfaces Fenta Hygiene Ceiling Tile for Suspension Grid

Product Technical Statement: 113631



Pre-finished UV cured coating, fibre cement, in white gloss for easy cleaning / commercial kitchens

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



Bates Surfaces confirms that this minimum level of assurance has been met or exceeded by the following:



The following information has been provided by Bates Surfaces demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 1

Product Description

Fenta ceiling tiles are manufactured from fibre cement sheet and pre-finished with a two-pack, UV cured polyurethane finish to front face and primer to back-face and edges.

Available in 4.5mm or 6mm thick, 595mm x 1195mm tiles in White Gloss, White Matt, Black Gloss, Black Matte and Fenta Digital, which incorporates a printed image sealed with a clear UV cured polyurethane coating.

Are suitable for use in a 1200mm x 600mm suspended two way ceiling grid system.

Scope of use

For internal use only.

For use in conjunction with a 1200mm x 600mm suspended two way ceiling grid system such as Rondo, Potters, T&R Systems, Comfortech grid systems.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- Clause B2 Durability:** Performance B2.3.1(c)
B2 Durability - B2.3.1 c) Fenta ceiling tiles have a durability beyond 5 years, based on NZBC B2/VM1 clause 1.1 In-service history. Fenta has been manufactured and used in New Zealand for over 30 years. Durability is supported by a 10 year manufacturers product warranty Durability is supported by durability testing refer to BRANZ Report DC10203 Testing of AJ Bates Ltd UV Tile Panels dated 24 August 2018. Testing included high humidity resistance, steam resistance, abrasion resistance, water resistance, scrub resistance, thermal shock, stain/chemical resistance and impact resistance.
- Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(a)
C3 Fire Affecting Area Beyond the Source - C3.4 a) Fenta ceiling tiles have been tested using the cone calorimeter test in accordance with ISO 5660 Part 1 & Part 2 (2002) and (2015) and NZBC C/VM2 Appendix A. Fenta ceiling tiles achieve a Group Number Classification of 1-S (with smoke less than 250m2/kg). Refer to AWTA Product Testing - Group Number Assessment, Test Number 18-005943, dated 26.11.2018 and BRANZ Fire Test Report FH5323 dated 25 July 2013.
- Clause F2 Hazardous building materials:** Performance F2.3.1
Fenta ceiling tiles are not classified as hazardous substances under HSNO. However, this product does contain crystalline silica which may be released on cutting and drilling. The substance if released is classified as 6.4A causes eye irritation, 6.7A may cause cancer and 6.9A causes damage to organs through prolonged or released exposure. Suitable respiratory protection is recommended when cutting and drilling Fenta ceiling tiles and cutting should always occur in a well ventilated area. Refer to Fenta Safety Data Sheet for further information. The dust and fibres may be irritating to skin and respiratory tract. Follow precautionary safety recommendations on the Fenta Safety Data Sheet.
- Clause G3 Food preparation and prevention of contamination:** Performance G3.3.2
G3 Food Preparation and Prevention of Contamination - G3.3.2a) Fenta ceiling tile use as a lining in spaces for food preparation is supported by durability testing refer to BRANZ Report DC10203 Testing of AJ Bates Ltd UV Tile Panels dated 24 August 2018. Testing included high



masterspec partner

Company Contact Details

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humidity resistance, steam resistance, abrasion resistance, water resistance, scrub resistance, thermal shock, stain/chemical resistance and impact resistance. The surface clear coating on the Fenta Ceiling Tiles contains an antimicrobial additive.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

B2 Durability Performance clause - B2.3.1 c) 5 years

C3 Fire Affecting Area Beyond the Source Performance clause - C3.4 a) - does not apply to detached dwellings, within household units in multi-unit dwellings or outbuildings and ancillary buildings

F2 Hazardous Building Materials Performance clause - F2.3.1

G3 Food Preparation and Prevention of Contamination Performance clause - G3.3.2 a)

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

Product Criteria

Design requirements

The complete 1200mm x 600mm suspended two way ceiling grid must comply with the requirements of NZS4203:1992 and NZS/AS 2785:2000. The exposed ceiling grid must be braced to resist seismic forces.

If a positive air and vapour seal is required, install 10mm x 3mm Inseal 4254 tape to the horizontal of the grid.

When different heat conditions apply to the underside of tile and cavity above, a fibreglass mat minimum 50mm thick is recommended to be installed over the tile.

Installation requirements

Installation to be in accordance with Fenta Product / Technical Data Sheet and Fenta Specification Details for Architects and Specifiers.

Store under cover and keep dry. Remove protective film from product prior to installation.

Fenta ceiling tiles must be clipped in place with a minimum of one clip per corner of tile and one in the centre of each long side.

Maintenance requirements

Maintenance to be in accordance with Fenta Maintenance Information for Effective performance.

The surface can be cleaned with a damp cloth, and stubborn marks removed using a non-abrasive domestic cleaner.

To remove dirt and soap build-up, wipe down tiles with Polycell Sugar Soap or kerosene on a damp cloth.

Warrantees

WARRANTY Fenta Ceiling Tiles come with a 10-year manufacturer's warranty. For full Warranty details please visit www.batessurfaces.co.nz. For more information please phone Bates Surfaces on 0800 269 251.

Company Product Information

Environmental

VOC Emissions - tested June 2022 (Tested by FORAY Laboratories – NATA Accreditation 1231) - ASTM D5116-2017 "Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Material/Products"

Building Product Information Requirements

Manufacturer

Legal Trading Name:

AJ Bates Ltd

Business Email:

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Company Website:

<https://batessurfaces.co.nz/>

Contact Number/s:

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Product Identifier

FENTA CEILING TILE

Warnings

This product has no warnings associated with it.



Date last validated: **19 March 2024**



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