 

**Specification Details for Architects and Specifiers**

**Fenta Ceiling Tiles**  April 2021

*Copy and drop Fenta Ceiling Tile specs into your building brief*

1. **GENERAL INFORMATION**
* Fenta Ceiling Tiles are designed and manufactured by Bates Surfaces. For more information, contact Bates Surfaces on 0800 269 251 or email info@batessurfaces.co.nz.
* COMPOSITION

Hard-wearing pre-finished ceiling tile with high gloss, non-scratchable and highly reflective polyurethane coating.

* MAKE-UP

Substrate: 4.5mm James Hardie fibre cement substrate (cellulose fibre, Portland cement, ground sand and water)

Face Surface: primer coat plus one coat of UltraLight™ Technology white polyurethane, UV-cured full-gloss finish.

Back Surface and edges: sealed with primer coat

* USAGE

Retail fit-outs

Commercial kitchens

Hospitals and healthcare environments

Hotels

Laundries and utility spaces

Swimming pools and sports complexes

1. **MASS AND DIMENSIONS**
* Nominal Dimensions and Mass

Tile Length …………………… 1195mm

Tile Width …………………….. 595mm

Thickness …………………….. 4.5mm

Weight ………………………… 5.04kg

* Approximate Mass at EMC ….. 6.3kg/m2
* N ote: all dimensions given are subject to manufacturing tolerances and the thickness given is the bottom of this tolerance range.
1. **DURABILITY**
* Hardwearing, scratch resistant
* Highly durable – using state-of-the-art UV technology and a high temperature steam process called *autoclaving*. Autoclaving is a system of sterilising materials by subjecting them to high-pressure saturated steam
* Meets all current domestic and overseas hygiene regulations when installed correctly.
1. **HYGEINE**
* Impervious to moisture
* Will not support mould and mildew growth
* Will not rot or be affected by corrosion, borer or vermin
* High gloss surface ensures easy to clean (see Cleaning & Care Instructions)
1. **FIRE SAFETY**
* Fenta Ceiling Tiles tested by BRANZ to the testing procedures outlined in ISO 5660: (2002).
* In accordance with NZBC Verification Method C/VM2 Appendix A.
* Group Number classification **1-S**, highest level in NZ Building Code Standards.
* Hardiflex, the James Hardie product that Fenta Ceiling Tiles coat with its UltraLight™ Technology, will not burn and has the following “Early Fire Hazard Indices” (tested as AS 1530 Part 3 1982).

Ignitability Index ……………………… 0

Spread of Flame Index ……………… 0

Heat Evolved Index …………………. 0

Smoke Developed …………………… 0

 Maximum service temperature for the base sheet and the coating is 105°C

 The Early Fire Hazard Indices of the finished painted sheet are as follows:

Spread of Flame ……………………… 0

Smoke Developed Index ……………. 3

1. **HANDLING AND STORAGE**
* Fenta Ceiling Tiles should be stacked on a smooth level surface. Carry ceiling tiles on edge.
* It is essential to store under cover and keep dry prior to fixing. Ceiling Tiles are placed in pairs face to face with polythene interleaves.
* The tiles are designed with a unique protective film that protects the product from manufacture to install. The film should be removed prior to fitting – it can be peeled away easily from the polyurethane.
1. **INSTALLATION**
* Fenta Ceiling Tiles are designed to be installed in two-way exposed suspended ceiling systems.
* Clips are not generally required for Fenta Ceiling Tiles due to their light weight, however they may be specified in environments where:

1.       Draft or wind may potentially lift the tile

2.       When used as part of a Fire-Rated solution

3.       In areas where there may be seismic activity

In such environments, consult your architect/designer for their recommendation.

* If clips are required, the minimum clip should be one to each corner of the tile and one in the centre of each long span.
* If required, the ceiling tiles can be sealed down to the grid to give positive air and vapor seals using a 10mm x 3mm strip of white Inseal 4254 bonded to the horizontal of the grid. The tile is then clipped down to give a positive seal.
* When different heat conditions apply to the underside to the tile and cavity above a fibreglass batt, a minimum of 50mm thick is recommended to help insulate the tile from extreme temperature.
1. **CLEANING AND CARE**
* Fenta Ceiling Tiles are easy to clean – the surface can be cleaned with a damp cloth. For more stubborn marks, use a non-abrasive domestic cleaner.
* To remove dirt and soap build-up, wipe down the tiles with Polycell Sugar Soap or kerosene on a damp cloth.
1. **WARRANTY**
* Fenta Ceiling Tiles come with a 10-year manufacturer’s warranty. See [www.batessurfaces.co.nz](http://www.batessurfaces.co.nz).
1. **DISTRIBUTORS**
* Fenta Ceiling Tiles are available through Forman Building Systems, Potter Interior Systems and T&R Interior Systems.

**11. DOCUMENTS**

* Further manufacturer’s documentation on the Fenta Ceiling Tiles is:
* Fenta™ Ceiling Tile Brochure
* Fenta™ Ceiling Tile Product Data Sheet
* Fenta™ Ceiling Tile Material Safety Data Sheet
* Fenta™ Ceiling Tile BRANZ Fire Test Report
* Fenta™ Ceiling Tile BRANZ Test Report
* Fenta™ Ceiling Tile Maintenance Sheet
* Copies of these are available online at [www.batessurfaces.co.nz](http://www.batessurfaces.co.nz).

**12. CUSTOMER SERVICE**

For further information, contact Bates Surfaces on 0800 269 251, email info@batessurfaces.co.nz or visit [www.batessurfaces.co.nz](http://www.batessurfaces.co.nz).