



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

2. 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
- Note: all dimensions given are subject to manufacturing tolerances and the thickness given is the bottom of this tolerance range.

3. 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.

4. 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)

5. FIRE SAFETY

- Fenta Ceiling Tiles tested by BRANZ to the testing procedures outlined in ISO 5660: (2002).
- In accordance with NZBC Verification Method C/MM2 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

6. 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.

7. 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 activityIn 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.

8. 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.

9. WARRANTY

- Fenta Ceiling Tiles come with a 10-year manufacturer's warranty. See www.batessurfaces.co.nz.

10. 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.

12. CUSTOMER SERVICE

For further information, contact Bates Surfaces on 0800 269 251, email info@batessurfaces.co.nz or visit www.batessurfaces.co.nz.