

Acoustic 600mm x 600mm x 12mm self-adhesive wall tiles. Life-time anti-microbial in the top cloth

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



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

Inzide Commercial Limited

[Fusion Technical Datasheet](#)

Product Description

Insitu Fusion is a 100% polyester acoustic quality adhesive wall tile. It provides improved ambiance, audio enhancement and listener comfort by reducing noise reverberation.

Insitu Fusion comprises Insitu Kaleidoscope face fabric bonded to self-adhesive 600mm x 600mm acoustic tiles.

The incorporation of [Polygiene Anti-microbial treatment](#) enables Insitu Fusion to be used in a wider range of applications, including projects in healthcare, aged care, education and hospitality.

Creatively tile a wall - full coverage or random placement - all one colour or mixed colours. Should you desire we can customize the tiles by cutting them to create numbers, letters and logos.

Specifications and features:

- Total product weight: Typically 1925gsm
- Total Nominal Thickness: 10-12mm
- Size: 600mm x 600mm
- Pack Size: 6 tiles per pack
- Product Composition: 100% Polyester
- Finish: "Smooth" finish
- Colours: Available in 30 design-focused colours, including a white "Snow" option.
- Good pin retention
- Velcro® receptive
- Hook of 1.5mm or less is recommended
- Non Zip and Non Fray

Design Guidelines

Insitu Fusion is highly directional:

- Every tile must be installed with the fabric pile running in the same direction in order to ensure consistent colour appearance. Directional arrows are printed on the back of Insitu Fusion
- Completing the entire installation with fabric from the same production batch will avoid colour variations
- For a slight checkerboard effect tiles can be installed quarter turned.

Environmental

Manufactured with 60% (average) post-consumer recycled polyester.

Quality Assurance



ISO 9001 (Quality Management)

Member of New Zealand Green Building Council



masterspec partner

Company Contact Details



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Technical Statement

Scope

Insitu Fusion is suitable for all commercial indoor uses where performance criteria relating to fire affecting areas beyond the fire source is material group 2S (or less).

It is suitable for all residential uses.

It is suitable for use in floor-to-ceiling operable walls & doors, partitions, work stations, and noticeboards

It is not suitable in situations where material group 1 or 1S is required. However, in these circumstances the presence of an automated fire sprinkler system changes the material group requirements such that Insitu Fusion is able to be used

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:

- not available

Notes

Evidence

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

B1.3.1, B1.3.2, B1.3.3 (a), (b), (e), (j), (q): INSITU Fusion will not easily rip and does not shrink if it gets wet. Slight impacts on the product will not result in indentations.

B2.3.1(c) Evidence: In service use. Insitu Fusion was developed as a branded product in 2011. Being a 100% polyester product, it will not deteriorate within a standard interior environment for at least 5 years. Some colour fading may occur if the product is located in direct sunlight without UV protection in the windows.

Colour fastness to light has been tested (by Charles Parsons NATA approved lab) to the following standards: AS 2001.4.21:2006, AS 2001.4B02:2001 and has been assessed with a light fastness greater than 5.

C3.4(a) Evidence: Material Group 2S BRANZ test (ISO9705) test report number FT 5333, dated 4th October, 2013. AS/NZS 1530 Part 3: Spread of Flame (index 0 – 10): 0, Smoke Developed (index 0 – 10): 5

F2.3.1 Evidence: Polyester has a lengthy in-service history in clothing, flooring marine, vehicle and other uses and does not pose a hazard to people

Sound absorption: Insitu Fusion was tested in accordance with AS IS 354-2006 and the following was demonstrated: NRC = 0.4 (Aklid Uniservices Ltd. T1319-5&6)

The antibacterial treatment has been tested according to MOD AATCC 100 (by IMSL in Sweden in 2011) and an MRSA reduction greater than 99.88% has been demonstrated.

Supporting Evidence

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

Inzide Commercial Limited
[Fusion Technical Datasheet](#)

Special Conditions

Installation requirements

Inspection

Confirm you have received the correct product. Check the fabric for damage and faults – if damage or fault is detected do not proceed. Contact your INZIDE Commercial representative immediately.

Wall Preparation

Before installing Insitu Fusion tiles, the wall must be prepared, clean and free of imperfections.

- Remove any obstacles such as hooks or nails
- Remove all dust, dirt, grease or loose paint chips and fill in all cracks with a good quality spackling compound, sand all rough spots and patch areas smooth then seal the wall surface

Refer to the [installation instructions](#)

Maintenance requirements

Light vacuuming as required will prevent dust build up and avoid the dull look of the product. Avoid severe abrasion and do not use a stiff brush on the surface of Insitu Wallcovering. Stains need to be removed as quickly as possible to avoid reaction between the stain agents and the wallcovering. Refer to the [Care & Maintenance Guide](#)

Insitu Fusion Self-Adhesive Acoustic Tile

Product Technical Statement: 103920



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