

TECHNICAL DATA SHEET (TDS)

Description

Floorplex is a innovative solution to traditional wet area and balcony sub floors. Floorplex has many additional benefits:

- Lighter than traditional FC panels
- Easier to cut, drill and install
- 19mm thick eliminating the need for tile underlay
- One panel for internal and External applications

ADVANTAGES

- No specialised or expensive tools required
- No hazardous materials
- Simple installation
- No need for specialised trades

USES

- Townhouses
- Residential Applications
- Wet areas
- Balconies

DESIGN & LOAD

Floorplex has been independently tested and certified by a NATA accredited testing laboratory to meet the Structural requirements for floor loadings as per AS1170.1 Table 3.1. Test Report: 21-0447-B, 3rd August 2021.

The following test results and information are provided to inform designers, engineers and relevant parties of the applications and maximum concentrated and Uniformed Distributed Actions of Floorplex.

Floorplex test results are based on the conditions that Floorplex is installed as per the Floorplex Install Guide available from CBMA.

Maximum Concentrated Actions (kN)

JOIST SPACING	UNIFORMED DISTRIBUTED ACTIONS	IMPOSED FLOOR ACTIONS
300mm	4.0kPa	2.7kN
450mm	4.0kPa	2.7kN

Floorplex has been tested and designed to withstand domestic and residential activities for self-contained dwellings - AS1170.1 Table 3.1 Category A1 of 1.8kN concentrated load and a Uniformed Distributed Load (UDL) capacity of 2 kPa at the floor joist spacing as per Table 1.

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Installation

To meet all tested and approved regulations, Floorplex must be installed as per the latest install guide available for download from the CBMA website. Failure to install as per the install guide will void any product warranty.

Waterproofing

Floorplex MUST be waterproofed when used in wet areas and Balconies as per the relevant Australian standard/s. All waterproofing membranes must be approved and installed as per the waterproofing manufacturer.

Product Properties

Floorplex panels are tested and developed to meet the Australian markets. Floorplex is developed using Magnesium and fibre technology, which not only provides high fire resistance, but also, impact and mould resistant. Floorplex does not contain any hazardous materials.

PROPERTIES	SPECIFICATION	MANUFACTURING TOLERANCE
Dimensional - Overall	2700mm x 600mm x 19mm	Width: +/- 2mm Length: +/- 2mm
Profile	Tongue and Groove	
Characteristics	Blue in colour	
Weight (Approx)	20kg / m ²	
Modulus of Rupture (Wet)	> 13.8 MPa	

All panels are tested for Asbestos (not present) and other hazardous properties periodically. Please refer to the Safety Data Sheet for more information.

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Cutting, Drilling and Sanding

Floorplex panels contain no hazardous products, such as Asbestos or Formaldehyde. The panels do contain Fibreglass mesh, that may cause irritation or adverse effects when in contact with skin or inhaled.

CBMA highly recommend that precautions are taken while cutting and handling panels. CBMA recommend that all state and/or site health and safety requirements are followed when using the panels or working on site.

When carrying or handling Floorplex panels, it is recommended to wear gloves and long sleeves, to eliminate irritation from panels rubbing against skin. This is important when handling high volumes of products.

It is recommended that dust masks or respirators are worn when cutting or drilling panels, and/or a dust extraction unit attached to the saw, to avoid inhaling airborne particles.

DO

- Use dust extractors when cutting panels
- Use protective gloves
- Use eye protection when cutting panels
- Use long sleeves when handling panels.

DO NOT

- Cut panels in enclosed places
- Cut panels in areas with no air flow
- Rub panels on raw skin
- Cut panels facing into the wind

Carrying and Storing

When carrying panels, good health and safety practice should be engaged. When moving the panels should be carried on the edges. They should not be carried flat. Avoid rubbing of the panel on skin as this may cause skin irritation, this is important when handling high volumes of product.

Store all panels on a flat surface and avoid contact with ground. Where possible, leave the product in its original packaging until required.

When left in the weather, it is recommended to cover the products from the elements, such as rain.

Disposal

All panels do not contain hazardous materials, so can safely be disposed of at approved council landfills. Do not dispose of illegally. A Material Safety Data Sheet (MSDS) can be requested by contacting CBMA.