

PRODUCT INFORMATION SHEET

MAY 2023

INEX>FLOOR is a unique engineered cementitious composite flooring sheet suitable for both interior and exterior flooring applications.

INEX>FLOOR has a tongue and groove joint down each long side for a flush tight fit.

Designed primarily as a substrate for most finishes such as tiles, vinyl, carpet or timber, **INEX>FLOOR** is also suitable as a finished surface in itself*.

For approved waterproofing and coating systems, refer to the COATINGS menu at www.ubiq.au.

INEX>FLOOR (Class 2 Concrete finish suitable for clear sealing) available on request*.

*See note on page 2.



PRODUCT	LENGTH (mm)	WIDTH (mm)	THICKNESS (mm)	Kg/m ²	Kg/Sheet
INEX>FLOOR 16	2700	600	16	20.7	34
INEX>FLOOR 19	2700	600	19	24.6	40

WEIGHT

At approx. 34kg (16mm) or 40kg (19mm) per sheet the **INEX>FLOOR** sheets are lightweight and easy to handle on site.

PERFORMANCE

INEX>FLOOR can be cut and worked just like comparable fibre cement sheets, but offers improved bending strength characteristics and finish quality.

NON-COMBUSTIBILITY & FRL

INEX>FLOOR is non-combustible and can be used in conjunction with floor systems to achieve FRL 90/90/90 in the down direction and up to BAL-FZ bushfire compliance. Refer to our **INEX>FLOOR** Floor Systems brochure.

ACOUSTIC

INEX>FLOOR offers remarkable acoustic insulation performance. By example our floor system for Class 2 or 3 Type A construction on timber or steel frame delivers an Rw/Rw+Ctr of 62/58 (BCA for Rw+Ctr is >50). Please refer to our **INEX>FLOOR** Floor Systems brochure for further acoustic performances

MATERIAL

INEX>FLOOR is an advanced high strength, low carbon fibre reinforced Engineered Cementitious Composite (ECC) product, containing 60% of post industrial recycled materials, contains less than >0.5% chrySTALLINE silica, it does not contain asbestos and is toxin free.

VALUE

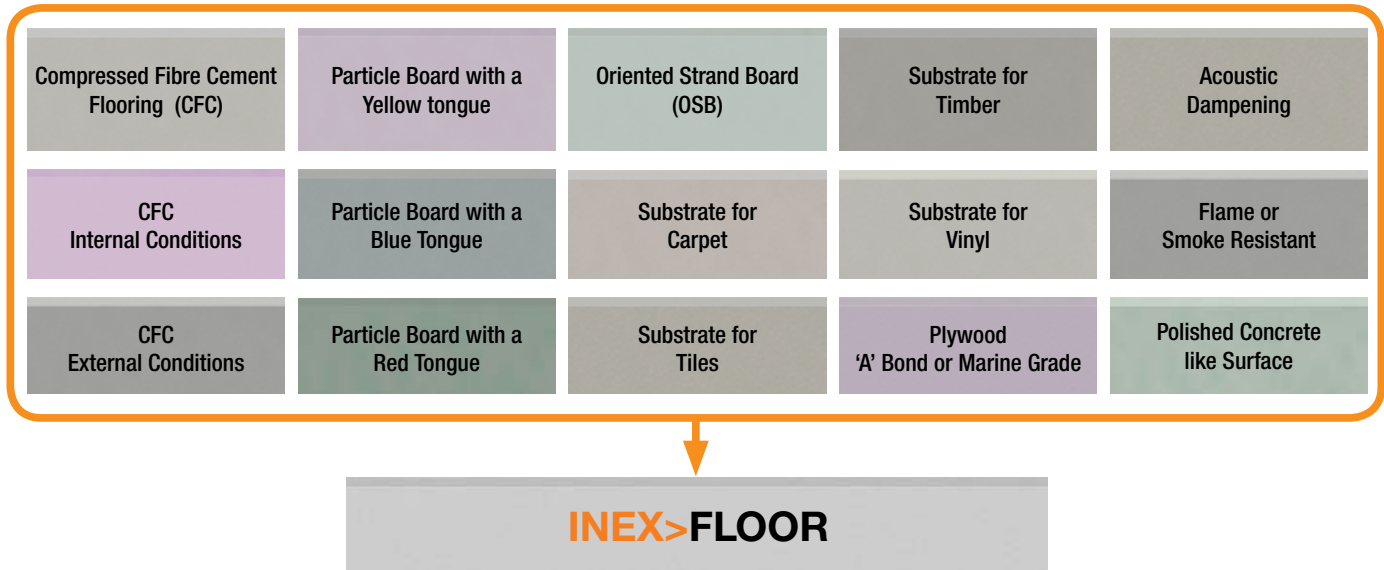
INEX>FLOOR is priced for value for the construction industry and competes strongly against all comparable products.



INEX>FLOOR for Tiled Decks and Balconies

Selecting the right flooring product just got a whole lot simpler!

INEX>FLOOR replaces the many flooring products that are available and can be used for multiple internal and external applications.



SPAN & LOADING PROPERTIES						
INEX>FLOOR THICKNESS (mm)	JOIST SPACING (mm)					
	300		450		600	
	LIVE LOAD OR CONCENTRATED ACTION (kN)	UNIFORMLY DISTRIBUTED LOAD (kPa)	LIVE LOAD OR CONCENTRATED ACTION (kN)	UNIFORMLY DISTRIBUTED LOAD (kPa)	LIVE LOAD OR CONCENTRATED ACTION (kN)	UNIFORMLY DISTRIBUTED LOAD (kPa)
16	6.0	32.0	1.8	10.0	1.8*	4.5
19	10.0	55.0	4.5	16.5	2.7	7.0

*Not suitable as a substrate for a tiled finish as under maximum load the maximum deflection at mid-span may be up to 3.3mm.

This SPAN & LOADING PROPERTIES table sets out the maximum permissible Concentrated Loads (kN) and Uniformly Distributed Loads (kPa) for both **INEX>FLOOR16** and **INEX>FLOOR19** over various joist spans. Unless noted otherwise, in all cases a deflection limit of span/200 under Serviceability Limit State loading has not been exceeded.

HIGH STRENGTH BUT LIGHT

INEX>FLOOR is a high strength yet lightweight product weighing as little as 34kg per sheet. **INEX>FLOOR 16mm** is comparable in strength to other similar FC sheets at 19mm thickness.

DURABILITY

INEX>FLOOR is long-term durable and is warranted for 20 years. In the "Soak Dry" test item 6.6 of AS/NZS 2908.2:2000, **INEX>FLOOR** performs to a mean MPa of >20; test undertaken in accordance with clause 8.2.5 of AS/NZS 2908.2:2000. This represents a test pass at over 80% of the dry strength retained after 25 soak-dry cycles.

INEX>FLOOR remains stable and true as a substrate material.

LOW CARBON

INEX>FLOOR is a low carbon product containing about 40% of the embodied energy of equivalent portland cement derived products.

LOW IN CRYSTALLINE SILICA

INEX>FLOOR contains less than <0.5% crystalline silica.

ASBESTOS AND TOXIN FREE

INEX>FLOOR does not contain any toxins and is asbestos free.

MOULD & TERMITE RESISTANCE

INEX>FLOOR is resistant to mould and termite attack.

SUPERIOR FINISH

INEX>FLOOR provides a polished concrete like surface suitable as a quality finish in itself. Class 2 Concrete finish suitable for clear sealing available on request, see note below.

Important note: **INEX>FLOOR** as a 'POLISHED CONCRETE' FINISH

Whilst **INEX>FLOOR** is primarily a substrate product designed for use under; tiles, carpet and other floor finishes for which it must be fitted rough side up, it can also be used smooth side up to generate a polished concrete appearance. Market response for this use has become significant, however as **INEX>FLOOR** is manufactured from a range of recycled raw materials it can vary in surface finish and colour. To ensure customer satisfaction should a polished concrete floor use be specified or wanted UBIQ requires that this request be placed directly to UBIQ prior to purchase. UBIQ will then ensure that a premium grade **INEX>FLOOR** it considers that is fit for use as a polished concrete surface is delivered to the customer's **INEX>FLOOR** point of purchase.

Due to the cementitious nature of **INEX>BOARDS** some superficial pin-holing may occur.

The **smooth side** of **INEX>FLOOR** is characterised as a **Class 2** concrete finish.

The use of **INEX>FLOOR** as a "polished concrete" finish is only suitable for interior surfaces.

PHYSICAL PROPERTIES

DIMENSIONAL AND GEOMETRICAL CHARACTERISTICS			
GEOMETRICAL TESTS	EQUILIBRIUM CONDITION		STANDARD
Length/Width/Thickness	PASS		AS/NZS 2908.2
Straightness & Squareness	PASS		AS/NZS 2908.2
PHYSICAL CHARACTERISTICS			
APPARENT DENSITY TEST	kg/m ³		STANDARD
16mm INEX>FLOOR	1400		AS/NZS 2908.2 - Clause 5.2.2 - test method 8.1.2.2
<i>Condition: Mass determined by drying out the test specimens in a ventilated oven maintained at 100°C for 24 hrs.</i>			
STRENGTH			
CHARACTERISTIC TYPE TEST	DRY CONDITION	WET CONDITION	STANDARD
Bending Strength (Mean)	>22MPa	>20MPa	AS/NZS 2908.2 - Clause 6.1 - test method 8.2.1
Classification - Type		A*	AS/NZS 2908.2
Category		5	AS/NZS 2908.2
Modulus of Elasticity	>10GPa	>8GPa	AS/NZS 1774.31.1-2000
<i>*Type A – is intended for external applications where it may be subjected to the direct action of sun, rain and/or snow.</i>			
DURABILITY, MOISTURE RESISTANCE AND CORROSION			
CHARACTERISTIC TYPE TEST			STANDARD
Water Permeability	PASS		AS/NZS 2908.2 - clause 6.2 - test method 8.2.2
Frost Resistance	PASS		AS/NZS 2908.2 - clause 6.3 - test method 8.2.3
Heat-rain	PASS		AS/NZS 2908.2 - clause 6.5 - test method B.5
Soak-dry	PASS		AS/NZS 2908.2 - clause 6.6 - test method 8.2.5
Corrosion	Corrosion Tests undertaken by SGS Australia Pty. Ltd. and demonstrate that INEX>FLOOR does not accelerate corrosion on class 3 or higher metal fasteners & fixings.		
THERMAL PROPERTIES			
CHARACTERISTIC TYPE TEST			STANDARD
Thermal Conductivity	0.179 W/m.K		AS/NZS 4859.1
R-Value at 16mm Thickness	0.09 m ² .K/W		AS/NZS 4859.1
Flammability Index	0		AS 1530.2-1993
Ignitability Index	0		AS/NZS 1530.3-1999
Spread of Flame Index	0		AS/NZS 1530.3-1999
Heat Evolved Index	0		AS/NZS 1530.3-1999
Smoke Developed Index	1		AS/NZS 1530.3-1999
Combustibility	PASS - Not deemed Combustible		AS 1530.1-1994 - clause 3.4 & AS/NZS 3837-1998 Building Code of Australia - Specification A2.4
Bush Fire Attack Level "BAL-40"	PASS		AS/NZS 1530.8.1
Bush Fire Attack Level "BAL-FZ"	PASS		AS 1530.4-2005 & AS/NZS 3959-2009
Floor System - FRL DOWN 90/90/90	PASS		AS 1530.4-2005
OTHERS			
MATERIAL TEST			STANDARD / METHOD
Crystalline Silica Content	<0.5%		Raw materials specification
Asbestos	PASS - Asbestos Free		AS 4964-2004
Fungal Resistance	PASS- No growth		ASTM C1338-08
VOC Emission	Very Low (0.053mg/m ² /hr)		ASTM D5116



UBIQ

INEX > **BOARDS**™

FLOORING & CLADDING SOLUTIONS

VISIT

www.ubiq.au

CALL

Sydney +61 2 9519 4460

EMAIL

sales@ubiq.au

This brochure was produced on May 2nd, 2023 and was current to information at that time.

UBIQ Pty Ltd is continually updating its brochure and install material.

We advise all enquires to source the most current brochures and/or technical material available online at www.ubiq.au.