

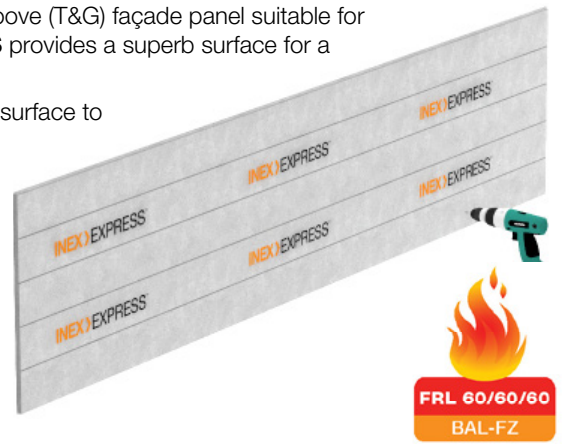
PRODUCT INFORMATION

INEX>EXPRESS is a unique engineered cementitious composite Tongue and Groove (T&G) façade panel suitable for residential and commercial applications. The textured surface of **INEX>EXPRESS** provides a superb surface for a wide range of coating systems.

INEX>EXPRESS is 'façade by the sheet' and comes with grooves routed into its surface to deliver an authentic timber board appearance without the fuss of having to lay individual boards, or can simply be painted to deliver a monochrome linear appearance.

Each **INEX>EXPRESS** sheet represents 5 x 120mm wide individual boards, with a 'V' joint, thereby cutting the installation time to less than 20% of what it would be if individual boards were used.

For all applications, **INEX>EXPRESS** must be sealed and coated.



General Information

PRODUCT	LENGTH(mm)	WIDTH(mm)	THICKNESS(mm)	kg/m ²	kg/Sheet
INEX>EXPRESS	3000	600	16	22.4	40
INEX>EXPRESS	2700	600	16	22.4	36



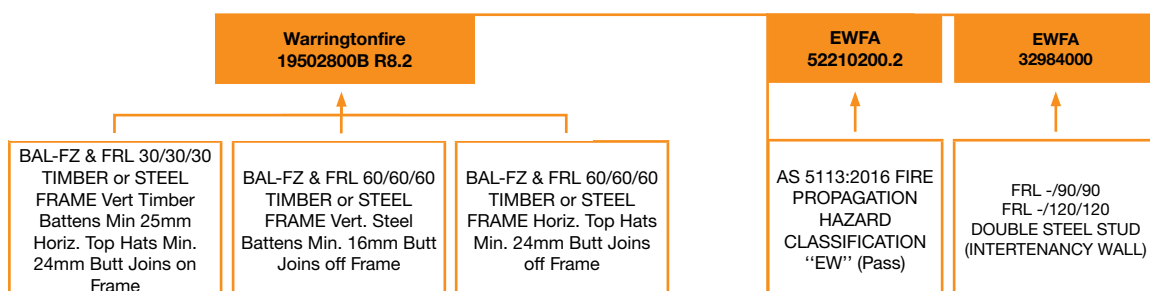
SINGLE SHEET OF **INEX>EXPRESS**

Advantages:

- INEX>EXPRESS** is relatively light weight and easy to handle on site. Can be cut and worked just like comparable fibre cement sheets, but offers improved bending strength characteristics and finish quality.
- INEX>EXPRESS** is non-combustible to AS1530.1 and is approved for all Bushfire Attack Levels including BAL-FZ*, and is certified to a Fire Resistance Levels of FRL 30/30/30 or 60/60/60.
*BAL-FZ (Flame Zone) is the highest Bushfire Attack Level where there is an extremely high risk of ember attack and burning debris ignited by windborne embers, and a likelihood of exposure to an extreme level of radiant heat and direct exposure to flames from the fire front.
- INEX>EXPRESS** is highly durable and represents a real alternative to natural or composite timbers. **INEX>EXPRESS** can be coated to achieve the timber look, without the ongoing maintenance issues of natural timber or can simply be painted.
- INEX>EXPRESS** on a timber frame with R2.5 insulation and 10mm plasterboard internal lining will deliver a sound insulation value of Rw/Rw+Ctr of 47/38. Insulation value will be higher (56/45) with a steel frame which will satisfy all Categories of Transport Noise Corridors for external wall requirements.
- INEX>EXPRESS** is an advanced high strength, low carbon fibre reinforced Engineered Cementitious Composite (ECC) product, containing about 40% of the embodied energy of equivalent portland cement derived products, containing 60% of post industrial recycled materials. It is 100% recyclable.
- INEX>EXPRESS** contains less than 0.5% crystalline silica.



Warringtonfire and/or CSIRO Fire Assessments for **INEX>EXPRESS**



Meets AS 3959-2018 Section 9 (BAL-FZ) via testing to AS 1530.4-2014

Advantages cont.:

- **INEX>EXPRESS** is moisture resistant and retains its structural integrity when subjected to multiple soak/dry cycles in accordance with clause 8.2.5 of AS/NZS 2908.2 2000 'Cellulose-cement products Part 2: Flat sheets'.
- **INEX>EXPRESS** is resistant to mould and termite attack and does not contain any toxins and is asbestos free.
- **INEX>EXPRESS** is an affordable substitute to hardwood and / or other timber composites. Each **INEX>EXPRESS** represents 5 x 120mm wide individual boards, thereby cutting the installation time to 20% of what it would be if individual boards were used.
- **INEX>EXPRESS** sheets form the walls themselves and can be fitted onto a steel or timber frame. As such they are not a cosmetic addition to a finished wall as is the case with other such products delivering a similar appearance.
- **INEX>EXPRESS** is long-term durable and is warranted for 20 years.

AS 1530 series & AS/NZS 3837 (Combustibility, etc.)

FNC12063 EWFA 312153-00a	FNE12018	EWFA 25902-01a.2 EWFA 25902-01b.2 EWFA 25902-01d.1
↑	↑	↑
AS 1530.1 NON-COMBUSTIBLE AS 1530.2 FLAMABILITY	AS 1530.3 NON-IGNITABILITY	AS/NZS 3837-1998 BCA SpecA2.4 GROUP 1
INEX>BOARDS (All Products)		



INEX>EXPRESS's unique textured surface allows for complete flexibility of finishes; from an authentic natural timber appearance to a multitude of other staining and painting options. If a natural timber appearance is desired then this can be readily achieved with a reduction of the long term maintenance issues of timber itself. Refer to the COATINGS menu on UBIQ's website for information regarding suggested coating systems.

UBIQ's concrete is a natural product and UBIQ sees it as such, with all its vital signs and characteristics. Each **INEX>EXPRESS** sheet is regarded as a single piece, just like natural timber. Efflorescences or small, visible pores or patches are not defects. They add to the character of the final finished and stained product. Differences in the surface appearance, which do not affect the fit for purpose of the panels, are permitted. The surface is not homogenous and the variations and texture are what deliver the remarkable appearance once these coatings are applied. They are what set these sheets apart from other composite cladding products.

IMPORTANT NOTE:

1. WARRANTY Information

Common installation errors that will void your warranty include, but are not limited to: failing to properly seal screw holes and incorrect distance between studs. UBIQ does not provide warranty for any suggested coating systems for **INEX>EXPRESS**.

2. COATING WARRANTY Information

The purchaser must contact the coating suppliers for warranty purposes. The purchaser accepts all risk associated with performance of any coatings applied to **INEX>EXPRESS**. UBIQ recommends the coatings are tested prior to installation.

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>EXPRESS	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>EXPRESS 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	
WET WEATHER & WEATHERPROOFING		STANDARD / METHOD	
Wall System with Vert. Battens	PASS	BCA V2.2.1 & AS/NZS4284	
Wall System with Top Hats	PASS	BCA V2.2.1 & AS/NZS4284	



UBIQ

INEX > **BOARDS**™

FLOORING & CLADDING SOLUTIONS

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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.