INEX>FLOOR™

ANY BUILDING • ANY SURFACE • ANYWHERE

UBIQ

PHYSICAL PROPERTIES SHEET

JULY 2014

INEX>FLOOR is a high-strength lightweight internal or external flooring sheet with tongue and groove edges.
INEX>FLOOR is suitable for domestic and commercial applications and is manufactured to conform to the following requirements and standards.
INEX>FLOOR can also be applied to walls to deliver a high impact lightweight framed wall system, with multiple approved coating systems.

DIMENSIONAL AND GEOMETRICAL CHARACTERISTICS

GEOMETRICAL TESTS	EQUILIBRIUM CONDITION	STANDARD
Length	PASS	AS/NZS 2908.2
Width	PASS	AS/NZS 2908.2
Thickness	PASS	AS/NZS 2908.2
Straightness	PASS	AS/NZS 2908.2
Squareness	PASS	AS/NZS 2908.2

PHYSICAL CHARACTERISTICS

APPARENT DENSITY TEST	kg/m³	STANDARD
16mm INEX>FLOOR	1275	AS/NZS 2908.2 - Clause 5.2.2 - test method 8.1.2.2

Condition: Mass determined by drying out the test specimens in a ventilated oven maintained at 100°C for 24 hrs.

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	>9GPa	>7GPa	AS 1774.31.1-2000

**Type A – is intended for external applications where it may be subjected to the direct action of sun, rain and /or snow.*

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. demonstrate that **INEX>FLOOR** does not accelerate corrosion on 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 m².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 (Refer to **UBIQ** for approved Systems)	AS 1530.4-2005 & AS 3959-2009

"BAL-40" Definition: Area with increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux with the increased likelihood of exposure to flames.

"BAL-FZ" Definition: 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.

PHYSICAL PROPERTIES SHEET

SLIP RESISTANCE

TEST TYPE	PROFILE SIDE	SMOOTH SIDE	STANDARD
Wet Pendulum	X [LOW*] *Contribution to slip when wet with water*	Y [MEDIUM*]	AS/NZS 4586:2004 (Appendix A)
Dry Floor Friction	Class F	Class F	AS/NZS 4586:2004 (Appendix B)
Wet/Barefoot Ramp	Class A	N/A	AS/NZS 4586:2004 (Appendix C)
Oil-Wet Ramp	R11 [HIGH*]	N/A	AS/NZS 4586:2004 (Appendix D)

* = CSIRO classification