IBS EUROFloor

TECHNICAL PROPERTIES

APRIL 2025

1. Product Description

IBS EUROFloor is the ultimate solution for your flooring needs. Engineered from high-quality OSB3 (Oriented Strand Board), EUROFloor is designed to provide exceptional strength and stability. Its unique three-layer construction ensures resistance to delamination and warping, making it the perfect choice for various applications, including flooring, stair construction, packaging, shelving, and cabinetry. With EUROFloor, you can trust in reliable performance and durability, tailored specifically for the New Zealand market. Elevate your projects with the unmatched quality of EUROFloor.

2. Applications

IBS EUROFloor is suitable for internal intermediate or laid-on flooring applications;

a. On floor framing designs up to and including 3.0kPa UDL
b. Stair construction
c. Shelving
d. For packaging and manufacture of crates etc
e. On floor diaphragms
f. Cabinetry
g. Furniture construction

3. Benefits

IBS EUROFloor is an advanced building material, serving as the best alternative to conventional wood or other wood/ cement based products;

- Great unique OSB look for your floor
- Can be used in all areas including wet areas
- Plastic T&G running the length of the sheet
- Environmentally friendly
- Light, strong and durable
- Moisture resistant and suitable for humid conditions
- CodeMark Certified (CM70089)

4. Dimensions and tolerances:

Available Dimensions

Product	Thickness (mm)	Width x Length (mm)
IBS EUROFloor	15.0	1200 x 2400, 1220 x 2440
	18.0	1200 x 2400, 1220 x 2440, 1200 x 1500, 1200 x 1800
	20.0	1200 x 2400, 1220 x 2440, 1200 x 1800

Dimensional Tolerance

Thickness	± 10 %
Width	± 6 mm
Length	± 8 mm
Squareness of Edges	≤ 0.4 %
Straightness of Edges	≤ 0.3 %

Weight (ex-works) based on nominal \density plus variation

Tickness (mm)	Weight (kg/m2)	Weight (kg/ standard sheet)
15.0	+/- 21.30	+/- 63.5
18.0	+/- 25.56	+/- 76.1
20.0	+/- 28.40	+/- 84.6

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Technical Properties

The product has been tested based on internationally recognized standards and test methods for the fiber cement flat sheet and building material requirements such as EN 12467, AS/ NZS 2908.2 ASTM C1185, BS 476 relevant parts on material reaction to fire and EN13501 fire classification standards.

Strength and Formaldehyde Information

Properties	Test Method	Unit	Major Axis (0^0, II)	Minor Axis (0^0, II)	Class 1 AS/NZA 1806.1
Formaldehye Emission	Formaldehyde Release	Mg/m^3	<0,01		E1<1.5
Modulus of Rupture (MOR)	EN 13986	MPa	50	50	19
Modulus of Elasticity	EN 13986	MPa	4930	1980	2750

IBS EUROFloor Technical Properties

Panel Tolerances	
Bulk Density	600 Kg / m3
Length and Width Tolerances	+ / - 3 mm
Squareness Acc to EN324-2	2 mm / m
Max Deviation in Board Thickness	+ / - 0.8mm
Thermal Conductivitiy acc to EN 13986	0.13 W/mK
Water Vapour Permeability	>2.0m - Dry
Thickness Swelling acc to EN 317	< 15 %
Coefficient of expansion for 1% change in wood moisture	0.03 %
Air Permeability at 50 PA	0.14 m^3 /hm^2
Waste code EWC	03 01 05
Reaction of fire performace class acc to EN13501-1	D - s2, d0
Sound Absorption Frequency Range 205 Hz to 500Hz	0.10 dB
Sound Absorption Frequency Range 1000 Hz to 2000Hz	0.25 dB

IBS EUROFloor Product Details		
Untreated	**Tongue & Groove**	**Exposure (days)**
Yes	Plastic tongue, long edge	90

If you'd like to order a sample prior to making an order, fill in the form and let us know what you'd like. All samples are A5 size. If you require multiple samples, please contact our team directly on 0800 367 759.

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Span Table UDL

Deflection	Maximum vertical load 400 crs kN/m²	Maximum vertical load 450 crs kN/m²	Maximum vertical load 600 crs kN/m²
Regular Construction	10.18	7.08	4.53
Diaphragm Construction	10.18	7.04	3.6

Max Point Loads

Centres (mm)	Max Point Loads (kN)
600	2.1
450	2.4
400	2.5
360	2.7
300	3.0