

STRUCTApanel H2

H2 Treated Wall Panelling

Borg Manufacturing is proud to introduce a brand new panel concept to the market - STRUCTApanel H2. Made with the same durable resins used in our market leading STRUCTAflor particleboard flooring, STRUCTApanel H2 is a 9mm thick high density panel primarily designed for wall panelling, where it provides high impact resistance compared to alternative lining options, as well as superior screw holding capability.

Other potential applications include packaging and crating, where plywood and OSB may typically be used. STRUCTApanel is H2 treated for termite resistance, and is available as a flat sheet, or in two profiled options to enhance aesthetic appeal. In the near future we will have pre-primed options too.



FEATURES & BENEFITS

- **High impact resistance**
Double the impact resistance of plywood and 9 times greater than plasterboard
- **Highly durable**
Made with the same cutting-edge technology and high-quality raw materials as STRUCTAflor
- **High fixing capacity**
Ability to screw directly into sheet
- **H2 Treated for termite resistance**
Termite protected particleboard
- **Double-sided**
Flat surface or grooved for aesthetic appeal
- **Easy to paint**
Water based and oil based paints adhere with ease
- **Seamless joining**
H Mould, Shiplap, V Groove and Cover Strip
- **Pre-primed/Prefinished - Under Development**
Faster project completion

APPLICATIONS

Square Edge

- Ideal for SIPS manufacture
- Boxes/packaging
- Internal lining (sheds/garages)

Profiled

- Internal lining where a decorative finish is preferred
- Chamfered edges with V Groove, Shiplap with square grooves

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TECHNICAL DATA

Range

Sheet Size	Square Edge Pack Size	Profiled Pack Size	Weight/m ² (kg)	Sheet Weight (kg)
2440 x 1200 x 9mm	60	N/A	6.5	19.0
2745 x 1200 x 9mm	60	30	6.5	21.4
3050 x 1200 x 9mm	60	N/A	6.5	23.8

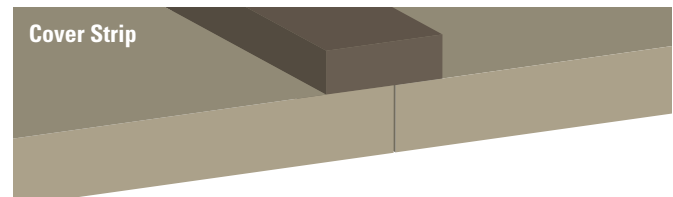
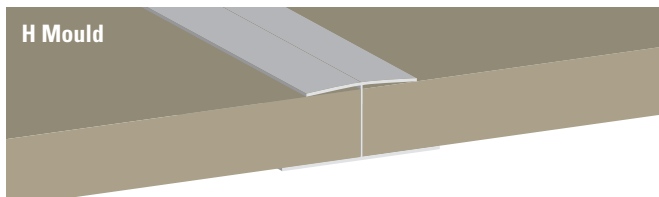
Performance

Performance Criteria	STRUCTApanel H2	OSB 9mm	Plywood 9mm	Plasterboard
Density	710kg/m ³	630kg/m ³	650kg/m ³	650kg/m ³
Thickness Swell (24hrs)	3.5%	11%	-	-
Impact Resistance (Janka)	5030N	3895N	2522N	566N
MOR MPa (Modulus of Rupture)	24	26.7	-	-
MOE MPa	3123	2966	-	-
Lateral Screw Holding* (kg/screw)	87kg	61kg	83kg	28kg
Screw Holding* (kg/screw)	104kg	93kg	95kg	10kg

*Screw holding test using 30mm x 6-gauge fixings screwed directly to wall panel (not screwed to wall studs)

SUGGESTED JOINING OPTIONS

Square Edge



Profiled

