



# SimBoard®

Ideal for Flooring & Sheeting

...the right choice

Oriented Strand Board (OSB) is the most used structural board for timber framed buildings in many parts of the world (e.g. USA and Europe) having replaced plywood and particleboard in most applications.

SimBoard® is made of 100% fresh pinewood from thinnings of PEFC®/FSC® certified sustainable forests. The strands are glued together with formaldehyde-free binders which means SimBoard® can also be used for food packaging.

SimBoard® is capable of withstanding general weathering for a period of up to 3 months. To maintain best practice it is recommended that the boards be fully covered on building sites and where possible avoid exposure to severe conditions such as sun and soaking rain as this has the potential to alter the internal moisture of the board.

Ask about our FSC® products. FSC® material available on request.

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## Some facts to compare SimBoard® with Particleboard

### 15% Less Weight

The density of **SimBoard®** is 600 kg/m<sup>3</sup>  
Particleboard is approximately 700 kg/m<sup>3</sup>

### 18% Lower Thickness

In the span distance an 18mm and 22mm **SimBoard®** may be used as subfloor on floor joists spaced maximum c/c 600mm, provided the imposed load is maximum 3,0kN/m<sup>2</sup> uniformly distributed load and 2,0 kN concentrated load.

### R values are equal or better than Particleboard

**SimBoard®** 22mm = 1,17 W/M<sup>2</sup>K & 18mm = 0,13W/m<sup>2</sup>K.  
Particleboard 19mm = 0,13W/m<sup>2</sup>K.

### 30% Less Load on a Construction

The weight of an 18mm **SimBoard®** is 10.8kg/m<sup>2</sup>  
A 22mm particleboard weight 15.4kg/m<sup>2</sup>

### 50% More Strength

The bending E-modulus of **SimBoard®** is 4930 N/mm<sup>2</sup>  
Particleboard has been 3000 to 2500 N/mm<sup>2</sup>

### Nail Retention

Is equal or better than MDF and particleboard.

### Emission

**SimBoard®** is manufactured using a formaldehyde free binder making it better than E1 in Emissions.

**SimBoard®** can be used with standard woodworking tools and can be purchased with PEFC® or FSC® certification on request.

**Simboard®** complies with the Building code of Australia: BCA2014 Volume 1 Clause BP1.1 "Structure" (a),(b)i, ii,iii for flooring, roof decking and wall sheeting (see conditions a),b), e)). BCA2014 Volume 2 Clause P2.1.1 "Structure" (A), (b)i, ii, iii for flooring, roof decking and wall sheeting (see conditions a), b), d), e)). Timber structures supporting the panel must be designed and constructed in accordance with AS1684.2:2010 and AS1684.3:2010 as applicable (*for all conditions and limitations please check the certificate of conformity*)

## SAVINGS using SimBoard® are in the floor boards PLUS the floor joists

IF YOU CURRENTLY USE:

THEN YOU CAN USE:

25mm particleboard	→	22mm <b>SimBoard®</b>
22mm particleboard @ 600mm centres	→	18mm <b>SimBoard®</b> @ 600mm centres
19mm particleboard @ 450mm centres	→	18mm <b>SimBoard®</b> @ 600mm centres

## SimBoard® Sheet Size: 3600 x 900

### Minimum SimBoard® Thickness

	Attic Floor 100 kg/m <sup>2</sup>	Residential Floor + flooring 220 kg/m <sup>2</sup>	Residential Floor + dry screed 335 kg/m <sup>2</sup>	Residential Floor + screed 415 kg/m <sup>2</sup>
<b>Single Span</b>				
450mm		18mm	18mm	22mm
600mm	18mm	22mm	22mm	
750mm	22mm			
<b>Multiple Span</b>				
450mm				18mm
600mm		18mm	22mm	22mm
750mm	18mm	22mm		

### SYDNEY Head Office

1 Durham Street  
Rosehill NSW 2142  
Ph + 61 2 9638 7333  
Fax + 61 2 9684 6466  
salesNSW@simmondsgroup.com.au

### BRISBANE

146-164 Buchanan Road  
Banyo QLD 4014  
Ph + 61 7 3267 0244  
Fax + 61 7 3621 7755  
qld\_sales@simmondsgroup.com.au

### MELBOURNE

22-32 Nathan Road  
Dandenong VIC 3175  
Ph + 61 3 9791 2241  
Fax + 61 3 9791 2243  
vic\_sales@simmondsgroup.com.au

Contact your Sales Representative for more information

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