

MBS

Architectural

Wood Wool Direct Mount Panels DATA SHEET



HERADESIGN[®]

Wood Wool Direct Mount Panels



Features

- Available in two textures and a wide range of linear patterns and colours
- Excellent sound absorption for a quieter, more comfortable space
- Durable and impact resistant#
- Sustainable natural ingredients for Green Star contribution
- RH90 humidity resistance with high dimensional accuracy
- Can be applied directly to surfaces such as concrete or plasterboard, or via timber battens or steel stud and track

Application Areas

- Open plan offices
- Restaurants and Hospitality
- Retail spaces
- Gymnasiums, basketball courts and recreational spaces
- Education, including libraries and classrooms
- Auditoriums and multi-function facilities

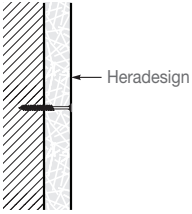
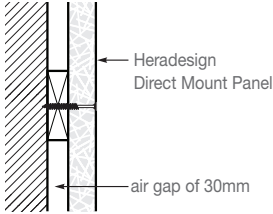
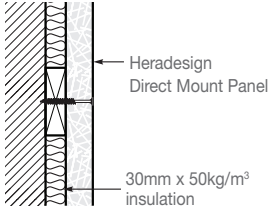
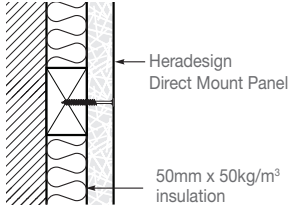
Product Data		Panel Size	25mm Thick Board	35mm Thick Board																										
	Edge details		Beveled (AK-01) Edge on all sides 	Beveled (AK-01) Edge on all sides 																										
	HERADESIGN® Superfine (Fibre width 1mm) Colour - Natural		600 x 600mm	HSAK01060625																										
			1200 x 600mm	HSAK01120625*																										
	HERADESIGN® Fine (Fibre width 2mm) Colour - Natural		600 x 600mm	HFAK01060625																										
			1200 x 600mm	HFAK01120625																										
	Suspension systems	Timber Battens or Stud & Track Systems (supplied by others). # Refer to Installation Guide for Ball Impact construction for gymnasiums.																												
	Colour options Surface Finish Factory applied acrylic paint Visual Consideration Colour and pattern variation is common across panels due to the natural characteristics of wood																													
	Sound absorption	<table border="1"> <thead> <tr> <th>Pattern</th> <th>NRC</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> <th>Hz</th> </tr> </thead> <tbody> <tr> <td>Fine</td> <td>0.70</td> <td>0.30</td> <td>0.70</td> <td>0.65</td> <td>0.55</td> <td>0.75</td> <td>0.85</td> <td>α_p</td> </tr> <tr> <td>Superfine</td> <td>0.70</td> <td>0.25</td> <td>0.65</td> <td>0.70</td> <td>0.60</td> <td>0.75</td> <td>0.90</td> <td>α_p</td> </tr> </tbody> </table> <p>Notes:</p> <ol style="list-style-type: none"> The absorption values above are tested with E-200 mounting (Total construction height of 200mm from bottom of ceiling to under side of slab) Tested sound absorption of up to NRC 1.00 with 40mm x 50kg/m² acoustic infill and E-200 mounting Contact your AMF office for further details, including test reports 	Pattern	NRC	125	250	500	1000	2000	4000	Hz	Fine	0.70	0.30	0.70	0.65	0.55	0.75	0.85	α_p	Superfine	0.70	0.25	0.65	0.70	0.60	0.75	0.90	α_p	<p>Legend: - NRC = Fine - NRC = Superfine</p> <p>Octave Band centre frequency (Hz) Performance Per ASTM C423</p>
Pattern	NRC	125	250	500	1000	2000	4000	Hz																						
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Superfine	0.70	0.25	0.65	0.70	0.60	0.75	0.90	α_p																						
	Sound attenuation	EN ISO 354 & EN ISO 11654																												
	Fire resistance	Conforms with NCC Spec. C1.10 as tested to AS 5637.1:2015 - Group 1, and ISO 5660 - Group 1 - S																												
	Thermal conductivity	Thermal Insulation (R- Value) 0.25 m ² K/W (25mm), 0.35 m ² K/W (35mm)																												
	Humidity resistance	Humidity Resistance (RH90% at 5°C - 40°C) Refer to website for additional information																												
	Weight	Superfine: 12.6 kg/m ² (25mm) 16.5 kg/m ² (35mm) Fine: 13.3 kg/m ² (25mm) 17.5 kg/m ² (35mm)																												
	Indoor air quality	 A+	Cleanability / Durability Product Handling Cleanable Scratch Resistant Impact Resistant																											
Sustainability																														



Construction Method

Wall and Ceiling - Direct Mounting Options and Acoustical Performance

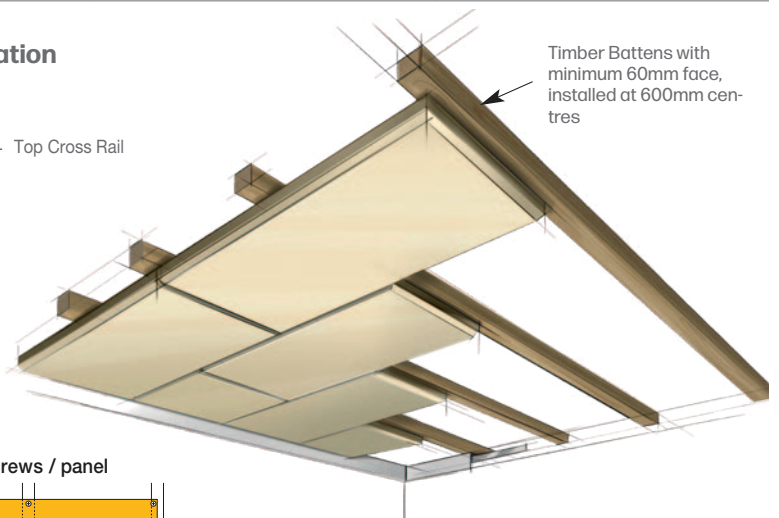
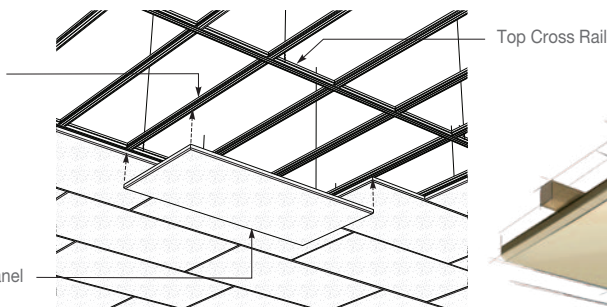
(Note: Values vary slightly based on finish: Fine or Superfine. Contact your AMF representative for details)

Mounting A	Mounting D	Mounting C	Mounting C
NRC 0.55 (25mm) NRC 0.65 (35mm)	NRC 0.50 (25mm) NRC 0.55 (35mm)	NRC 0.80 (25mm) NRC 0.85 (35mm)	NRC 0.95 (25mm) NRC 0.90 (35mm)
			
Installed Directly on a Wall or Ceiling Surface	Installed on Timber Batten or Furring Channel: 600mm O.C.	Installed on Timber Batten or Furring Channel: 600mm O.C.	Installed on Timber Batten or Furring Channel: 600mm O.C.

Suspended Ceiling - Direct Mount Panel Configuration

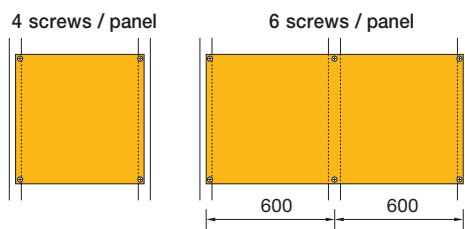
Metal Furring Channel with minimum 50mm face, installed at 600mm centres

Heradesign Direct Mount Panel



Timber Battens with minimum 60mm face, installed at 600mm centres

Standard Screw Pattern for Mounting Heradesign Acoustic Panels of 25mm or 35mm thickness



Refer to the AMF HERADESIGN® Installation Guide for further details, including screw fixing specification for ball impact applications / gymnasiums.



Port Melbourne Secondary College

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Every material. One source.

Reach out to our team for support, samples and advice.

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