

High Density

high density sound insulation batts



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Minimise impact noise and sound transfer between rooms, ceilings and floors with Acoustica® HD Batts. An effective, high performance sound absorber for residential, industrial and commercial properties, HD Batts high density acoustic insulation will not deteriorate over time offering a consistent solution to everyday noise.

Possible uses include storage tanks, process equipment, appliance cabinets, plant rooms and acoustic baffles.

HD sound insulation batts are made from non-irritant polyester which is dust free and won't cause any skin or other irritations. Acoustica® HD White Batts will not deteriorate over time and are unaffected by mould, mildew and rot, and resistant to vermin and insect attack.

When tested in an atmosphere of 65% relative humidity at 20°C in accordance with the British Standard 2972-1975, the moisture content of Acoustica® High Density White Batts is less than 0.1% per volume.

Acoustica® High Density White Batts are available in the following weights:

22 kg/m³, 28-32 kg/m³, 44-48 kg/m³ and up to 60 kg/m³ with thickness from 25mm to 100mm and widths of 430 to 1200mm.



Acoustica Projects **High Density**

Thermal Conductivity of Acoustica® High Density White Batts at mean temp of 20°C

28-32kg/m ³	44-48kg/m ³	60kg/m ³
0.0357W/mK	0.0335W/mK	0.032W/mK

Max Service Temp

22kg/m ³	28-32kg/m ³	44-48kg/m ³
90°C	150°C	150°C

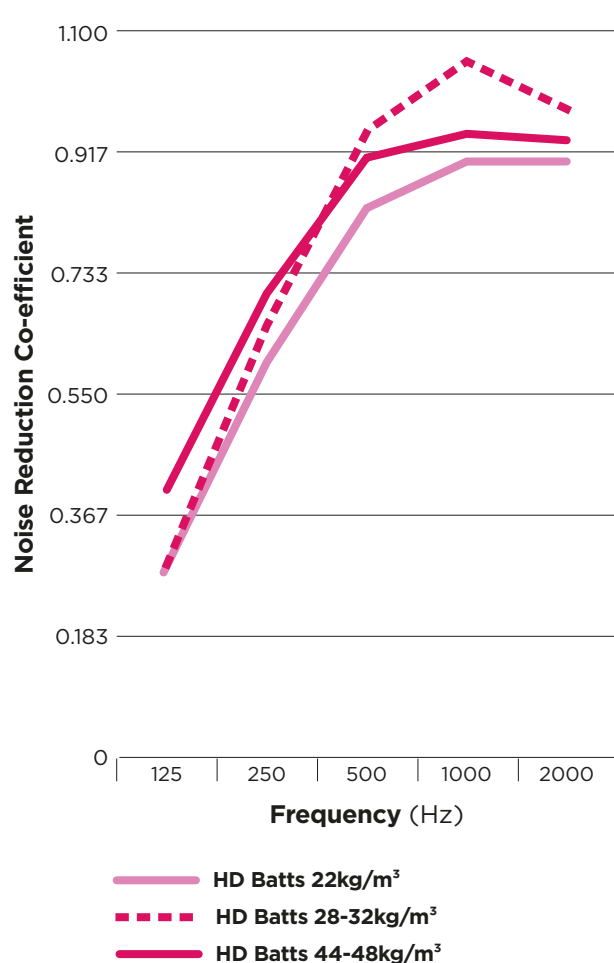
When used with a vapour barrier facing (plain or perforated) max surface temp is limited to 70°C in all Batts.

HD White Batts have a 4 zero fire rating, conforming to the building code of Australia as tested to AS 1530 Part 3:

- Ignitability (0-20) 0
- Spread of Flame (0-10) 0
- Heat Evolved (0-10) 0
- Smoke Developed (0-10) 0



Noise Reduction Coefficient (NRC) for Acoustica® High Density White Batts:



Frequency (Hz)	High Density White Batts 22kg/m ³ (plain 50 mm)	High Density White Batts 28-32kg/m ³ (plain 50 mm)	High Density White Batts 44-32kg/m ³ (plain 50 mm)
125	0.28	0.28	0.40
250	0.60	0.65	0.70
500	0.83	0.95	0.91
1000	0.91	1.06	0.95
2000	0.91	0.99	0.94
NRC	0.80	0.90	0.85

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