

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 **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

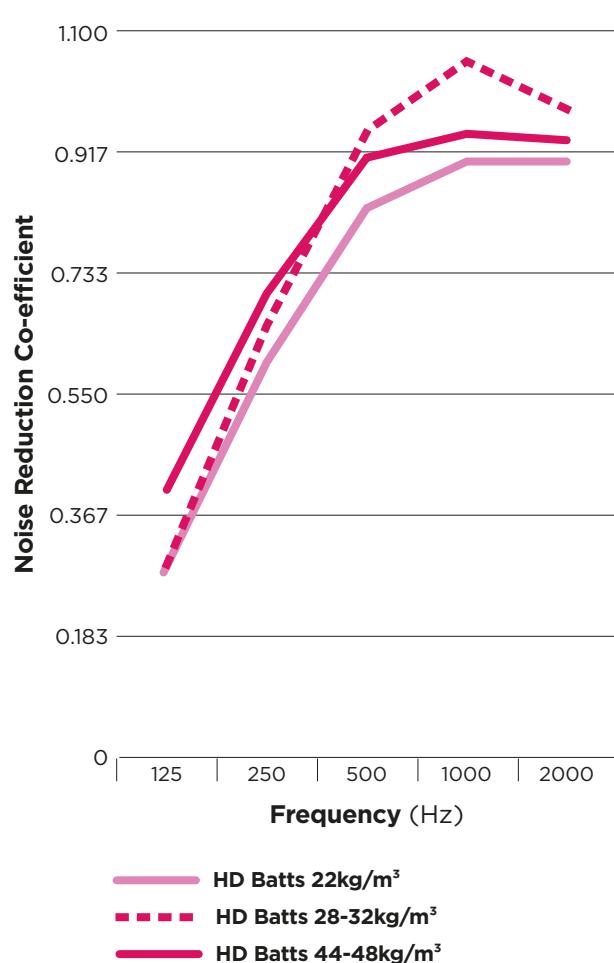
When used with a vapour barrier facing (plain or perforated) max surface temp is limited to 70°C in all Batts.

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

Acoustica Pty Limited
6a Nelson Street
Annandale NSW 2038
Australia

+61 2 9550 2900

acoustica.com.au