

Heradesign® offers an infinite variety of acoustic solutions. Whether they are used for ceilings or walls, all over the room or focussed on a specific area, or whether you prefer a neutral, colourful or rather a natural look ... the options are endless.

ACOUSTIC PERFORMANCE

Heradesign® is an exceptionally good absorber because the wood fibres used in Heradesign® give it a porous, diffuse surface. This means that instead of sound hitting a flat surface and reflecting, it hits the diffuse surface and is both absorbed and diffused.

Heradesign®'s outstanding sound absorption properties mean that when used in conjunction with a layer of insulation, weighted sounds absorption values to up to NRC 0.95 can be achieved.

15MM HERADESIGN FINE

Ceiling / Wall Cavity		Frequency (Hz)						a _w	NRC
Insulation type	(mm)	125	250	500	1000	2000	4000		
Without Insulation	0	0.05	0.10	0.20	0.55	0.85	0.65	0.30	0.45
	30	0.10	0.20	0.60	0.75	0.55	0.75	0.50	0.55
	100	0.15	0.50	0.80	0.55	0.45	0.75	0.55	0.60
	200	0.35	0.70	0.65	0.45	0.55	0.80	0.55	0.60
Glasswool 50mm - 22kg/m ³	275	0.60	0.85	0.80	0.75	0.65	0.80	0.75	0.75
Mineral wool 30mm - 60kg/m ³	30	0.15	0.65	1.00	0.75	0.65	0.80	0.75	0.75
	100	0.40	0.90	0.90	0.65	0.65	0.80	0.70	0.80

15MM HERADESIGN SUPERFINE

Ceiling / Wall Cavity		Frequency (Hz)						a _w	NRC
Insulation type	(mm)	125	250	500	1000	2000	4000		
Without Insulation	0	0.05	0.10	0.25	0.45	0.90	0.80	0.30	0.45
	30	0.05	0.15	0.35	0.70	0.65	0.70	0.40	0.45
	280	0.35	0.55	0.45	0.50	0.60	0.75	0.50	0.55
Mineral wool 30mm - 50kg/m ³	30	0.10	0.45	0.90	0.95	0.80	0.85	0.75	0.80
Mineral wool 40mm - 50kg/m ³	280	0.65	0.85	0.90	0.90	0.85	0.85	0.90	0.90

25MM HERADESIGN FINE

Ceiling / Wall Cavity		Frequency (Hz)						a _w	NRC
Insulation type	(mm)	125	250	500	1000	2000	4000		
Without Insulation	0	0.05	0.15	0.35	0.95	0.75	0.8	0.40	0.55
	100	0.15	0.55	0.90	0.60	0.70	0.70	0.70	0.70
	175	0.35	0.80	0.65	0.60	0.80	0.90	0.65	0.70
	600	0.60	0.40	0.45	0.55	0.70	0.85	0.55	0.55
Mineral wool 30mm - 60kg/m ³	60	0.40	0.90	0.90	0.70	0.80	0.80	0.80	0.85
Mineral wool 80mm - 48kg/m ³	80	0.70	1.00	0.80	0.75	0.80	0.80	0.80	0.85
Mineral wool 60mm - 50kg/m ³	100	0.55	1.00	0.80	0.75	0.80	0.80	0.80	0.85
Mineral wool 200mm - 50kg/m ³	200	0.85	0.90	0.90	0.75	0.75	0.85	0.80	0.85
Glasswool 50mm - 22kg/m ³	600	0.70	0.70	0.90	0.80	0.80	0.90	0.85	0.80

25MM HERADESIGN SUPERFINE

Ceiling / Wall Cavity		Frequency (Hz)						a _w	NRC
Insulation type	(mm)	125	250	500	1000	2000	4000		
Without Insulation	0	0.05	0.15	0.30	0.75	0.95	0.75	0.35	0.55
	30	0.10	0.20	0.45	0.70	0.55	0.75	0.45	0.50
	60	0.10	0.30	0.75	0.70	0.65	0.80	0.60	0.60
	100	0.15	0.40	0.80	0.70	0.65	0.90	0.65	0.65
	175	0.25	0.65	0.70	0.60	0.75	0.90	0.70	0.70
	275	0.30	0.50	0.40	0.50	0.65	0.75	0.50	0.50
Glasswool 50mm - 22kg/m ³	60	0.35	0.90	0.95	0.85	0.90	0.90	0.90	0.90
	275	0.70	0.90	0.90	0.90	0.80	0.95	0.90	0.90
Mineral wool 30mm - 60kg/m ³	60	0.30	0.75	1.00	0.85	0.85	0.95	0.90	0.85
Mineral wool 60mm - 50kg/m ³	100	0.55	1.00	1.00	0.95	0.90	0.95	0.95	0.95