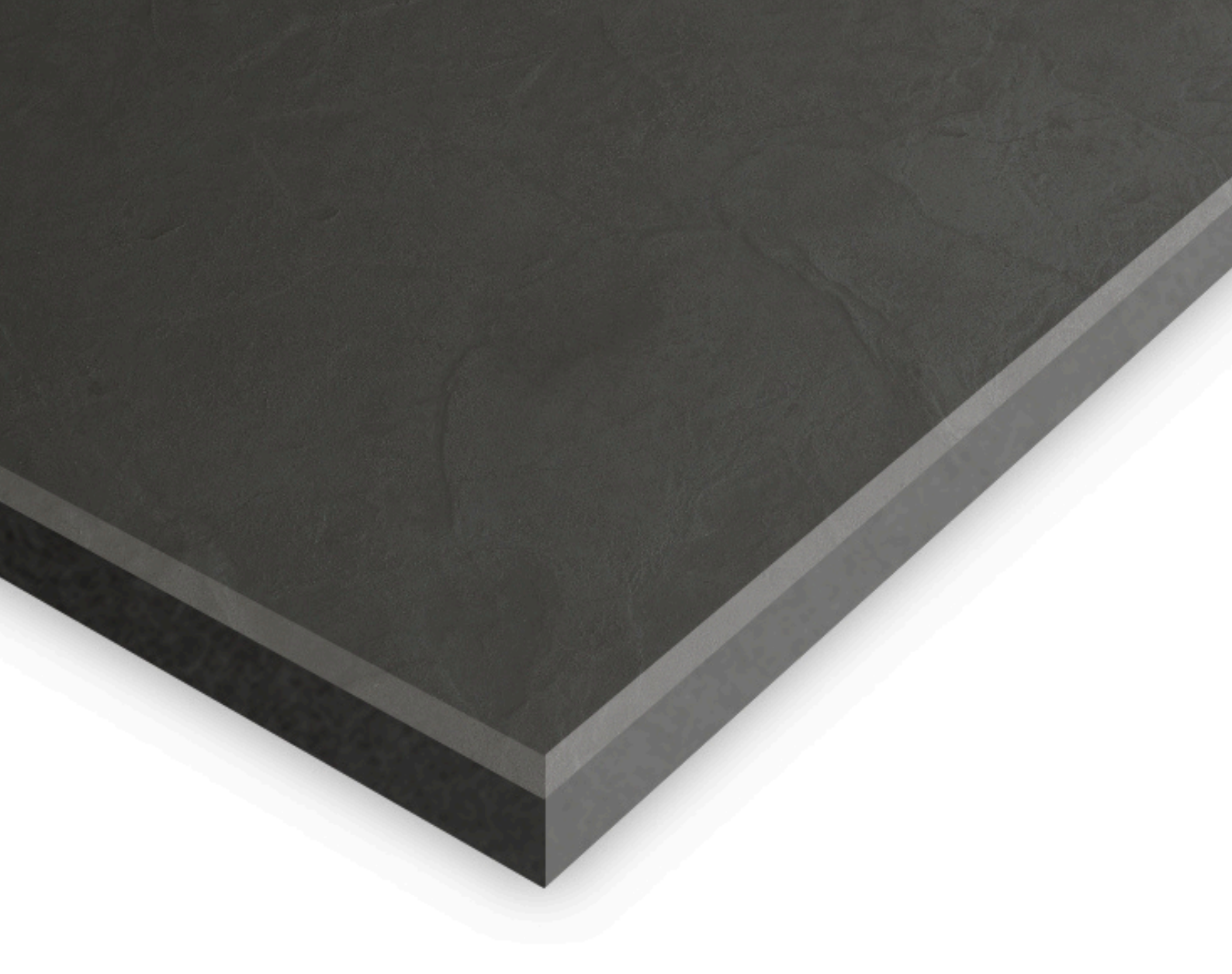


Noisestop Acoustic Underlay

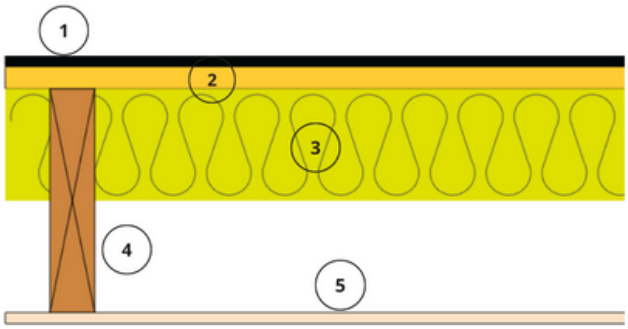
Performance Data

www.noisestopsystems.co.uk
info@noisestopsystems.co.uk
01423 339163

NOISESTOP SYSTEMS

Sound Insulation Test

12mm Acoustic Underlay



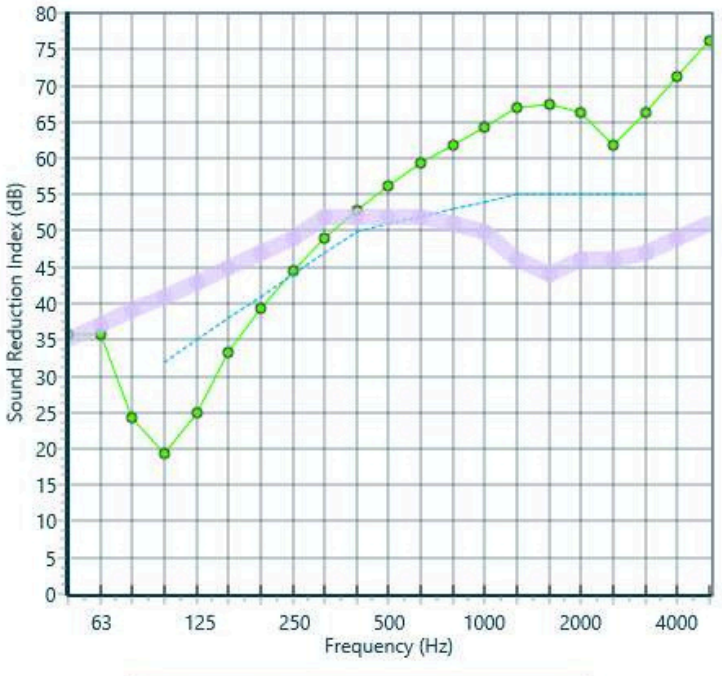
1. 12mm Acoustic underlay
2. 18mm Chipboard floor
3. 100mm Acoustic insulation
4. 200mm Joist
5. 10mm plasterboard

Mass-air-mass resonant frequency = =81 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 202 kg/m²

freq.(Hz)	R(dB)	R(dB)
50	36	
63	36	29
80	24	
100	19	
125	25	23
160	33	
200	39	
250	45	43
315	49	
400	53	
500	56	55
630	59	
800	62	
1000	64	64
1250	67	
1600	67	
2000	66	65
2500	62	
3150	66	
4000	71	69
5000	76	



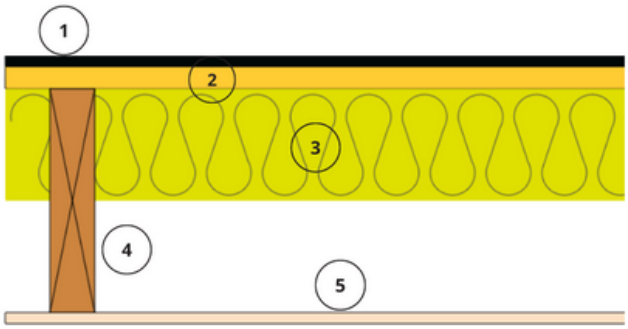
The higher the figure for airborne, the better the performance.
The lower the figure for impact the better the performance.

Airborne Results

Untreated Floor DnT,w	Treated Floor DnT,w
41dB	52dB

Sound Insulation Test

12mm Acoustic Underlay



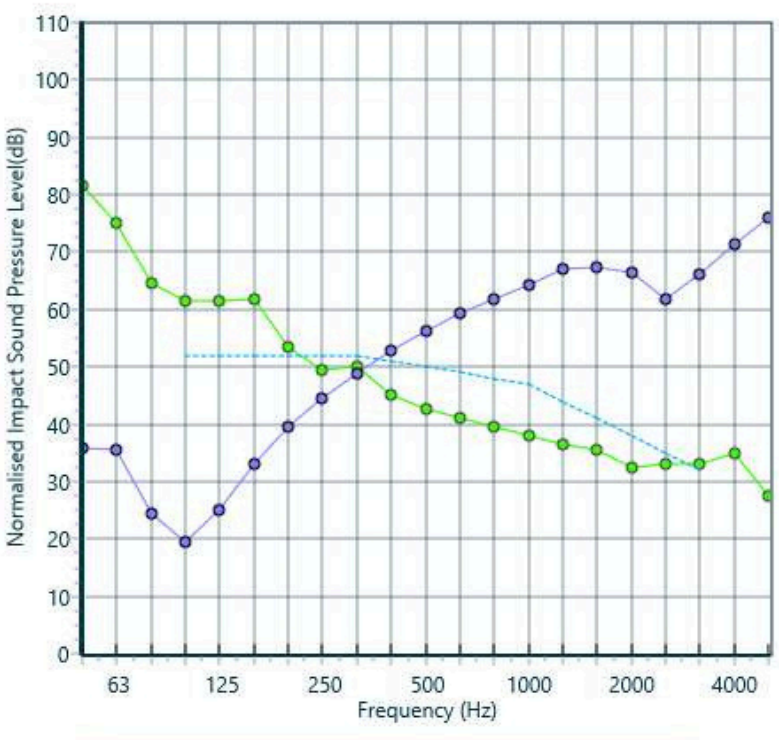
1. 12mm Acoustic underlay
2. 18mm Chipboard floor
3. 100mm Acoustic insulation
4. 200mm Joist
5. 10mm plasterboard

Mass-air-mass resonant frequency = =81 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 202 kg/m²

freq.(Hz)	Ln(dB)	Ln(dB)
50	82	
63	75	83
80	65	
100	62	
125	62	66
160	62	
200	54	
250	50	56
315	50	
400	45	
500	43	48
630	41	
800	39	
1000	38	43
1250	37	
1600	36	
2000	32	39
2500	33	
3150	33	
4000	35	38
5000	27	



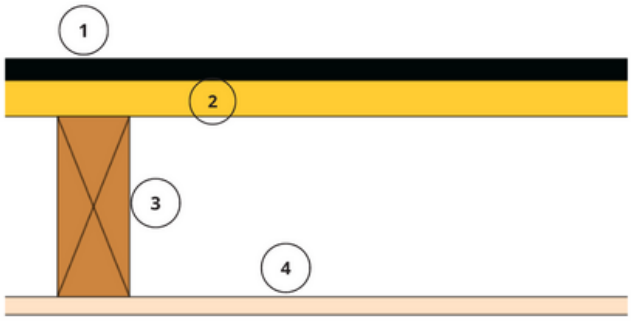
The higher the figure for airborne, the better the performance.
The lower the figure for impact the better the performance.

Impact Results

Untreated Floor L'nT,w	Treated Floor L'nT,w
79 dB	50dB

Sound Insulation Test

12mm Acoustic Underlay



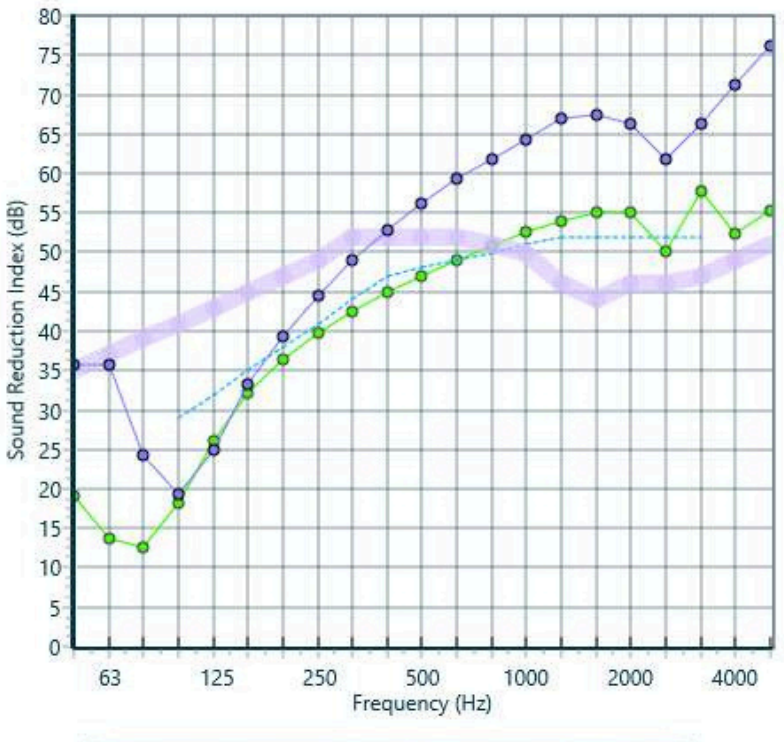
Mass-air-mass resonant frequency = =81 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 202 kg/m²

1. 12mm Acoustic underlay
2. 18mm Chipboard floor
3. 200mm Joist
4. 10mm plasterboard

freq.(Hz)	R(dB)	R(dB)
50	19	
63	14	14
80	13	
100	18	
125	26	22
160	32	
200	37	
250	40	39
315	43	
400	45	
500	47	47
630	49	
800	51	
1000	53	52
1250	54	
1600	55	
2000	55	53
2500	50	
3150	58	
4000	52	55
5000	55	



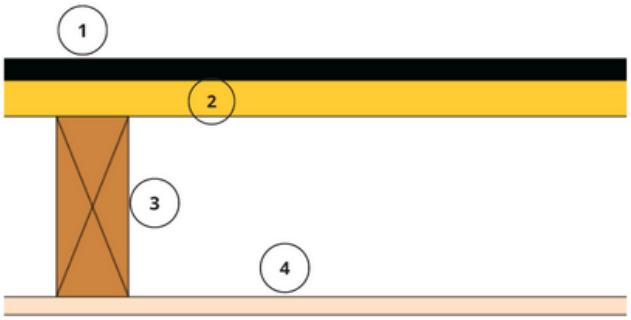
The higher the figure for airborne, the better the performance.
The lower the figure for impact the better the performance.

Airborne Results

Untreated Floor DnT,w	Treated Floor DnT,w
41dB	48dB

Sound Insulation Test

12mm Acoustic Underlay



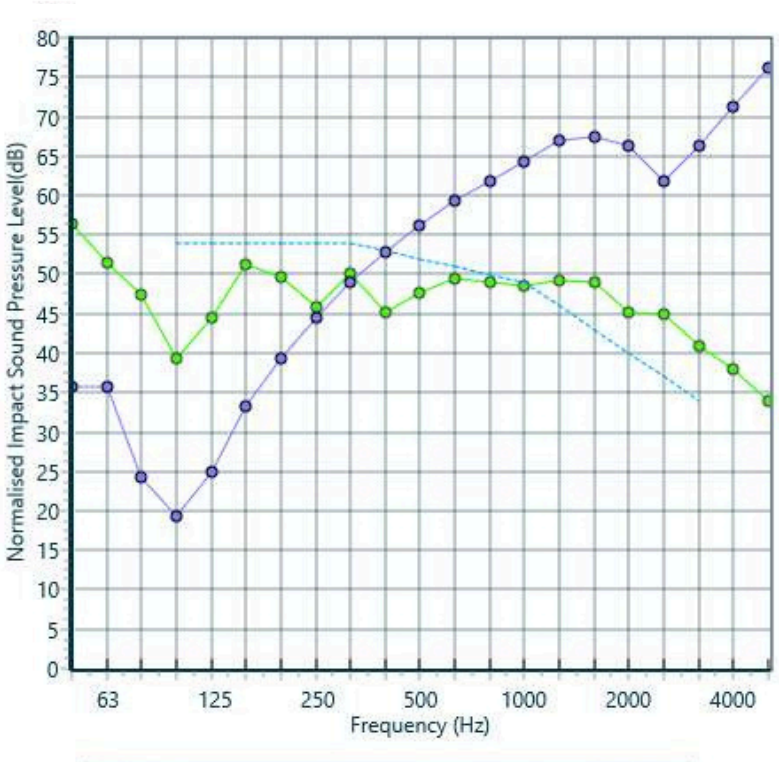
Mass-air-mass resonant frequency = =81 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 202 kg/m²

1. 12mm Acoustic underlay
2. 18mm Chipboard floor
3. 200mm Joist
4. 10mm plasterboard

freq.(Hz)	Ln(dB)	Ln(dB)
50	56	
63	52	58
80	47	
100	39	
125	44	52
160	51	
200	50	
250	46	54
315	50	
400	45	
500	48	52
630	49	
800	49	
1000	49	54
1250	49	
1600	49	
2000	45	52
2500	45	
3150	41	
4000	38	43
5000	34	



The higher the figure for airborne, the better the performance.
The lower the figure for impact the better the performance.

Impact Results

Untreated Floor L'nT,w	Treated Floor L'nT,w
79 dB	52dB