



VL65 High Performance Acoustic Membrane



Recycled content used in this product



[Download PDF](#)

FEATURES

- Easy to use, cut and trim.
- Supplied in roll form.
- Airborne noise reduction.
- Very high acoustic performance.
- Visco-elastic.

BENEFITS

- Improved low frequency performance.
- Self adhesive version available.
- Also acts as a VCL.

PRODUCT DESCRIPTION

Acoustic Membranes Just Got Better !

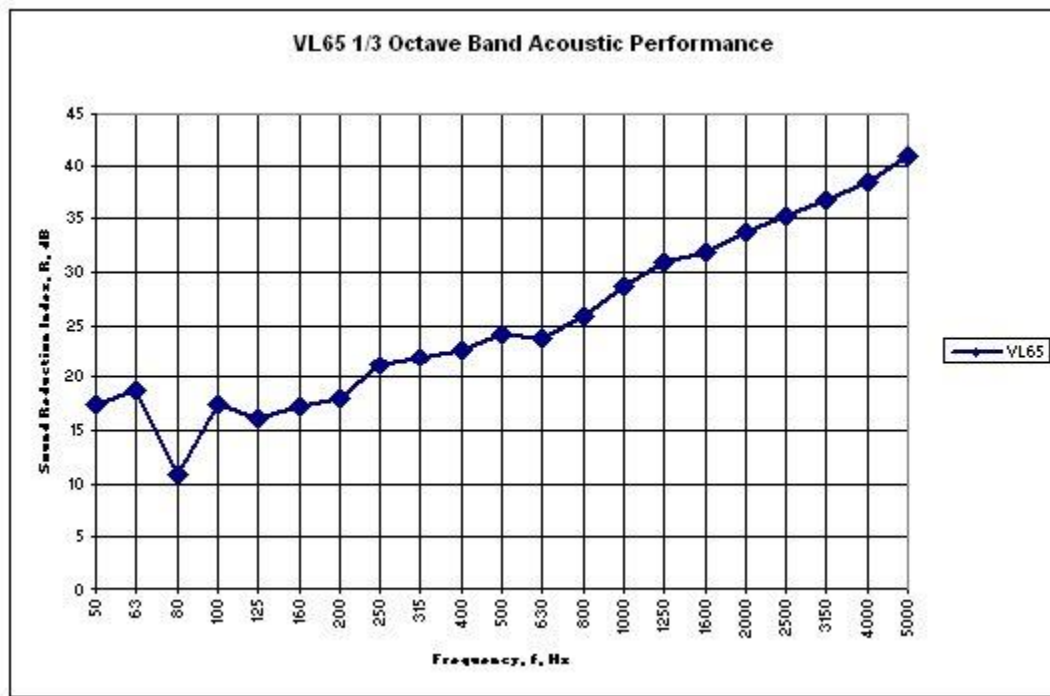
VL-65 is a high mass, viscolastic acoustic damping membrane with the added advantage of improved low frequency performance over our other acoustic membranes. Internally reinforced with a micro fibreglass carrier for improved dimensional stability.

APPLICATIONS

- Soundproofing against airborne noise in floors, walls and ceilings when used in conjunction with other low surface density materials.
- VL-65 is acoustically equivalent to lead of the same surface weight.
- When bonded between stiff rigid sheet materials it greatly reduces the resonance and coincidence dips.
- Stapled over frameworks it greatly improves the performance of lightweight partitions.
- When bonded to resonating metal panels it greatly reduces vibration and re-radiated noise.
- Offers high acoustic performance when combined with sound-absorbent materials.

- Can be used for damping of impact noise caused by atmospheric agents on metal deck roofs.

ACOUSTIC PERFORMANCE



Freq, f, Hz	50	63	80	125	250	500	1000	2000	4000	R _w
R _w (dB)	17.5	18.7	10.9	17	21	24	29	34	39	28

Test Report Number: 130702/002

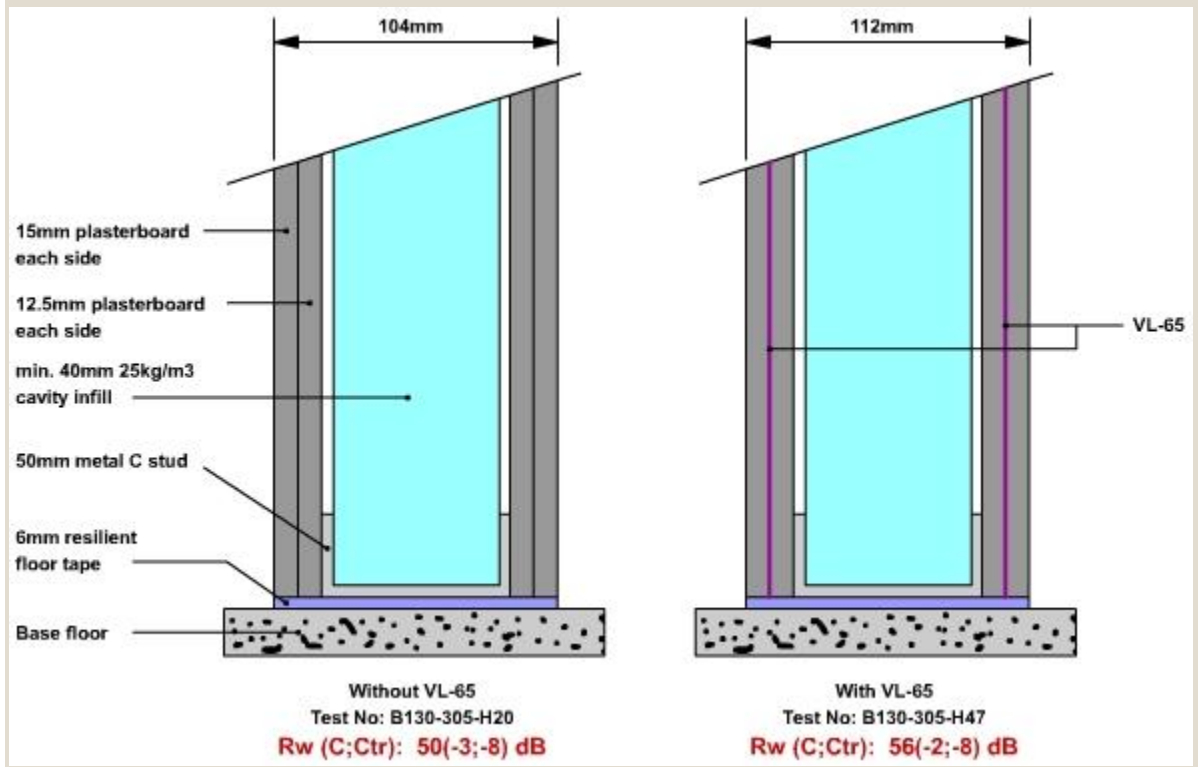
TECHNICAL DATA

VL-65 TECHNICAL DATA	
Density	1.9g/cm ³ (+/-0.05)
Colour	Black
Roll Size	5.5m x 1m
Weight	6kg/m ²
Thickness	4mm
Fire Resistance	B,s1,d0 when used in partitions as shown below
Water vapour resistance (μ)	50000
Maximum Tensile Strength	350 ±150 / 250 ± 100 EN 12311-1
Elongation	±45 EN 12311-1
Cold Flexibility	-10°C; EN1109
High Temperature Flow Resistance	120°C; EN1110

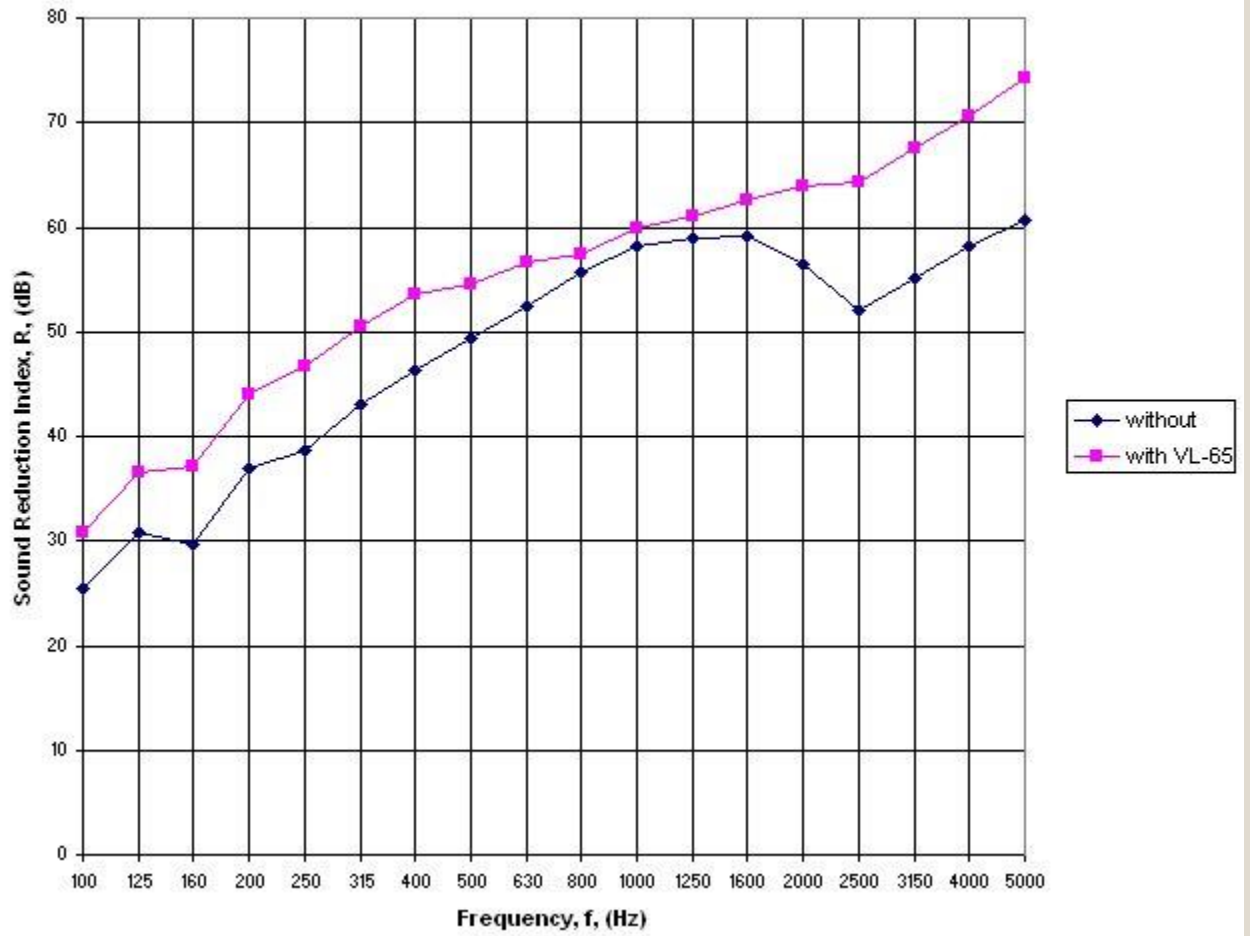
VL-65 eliminates the coincidence dip around 2.5kHz, found in rigid sheet materials such as plasterboard on studwork by 12dB

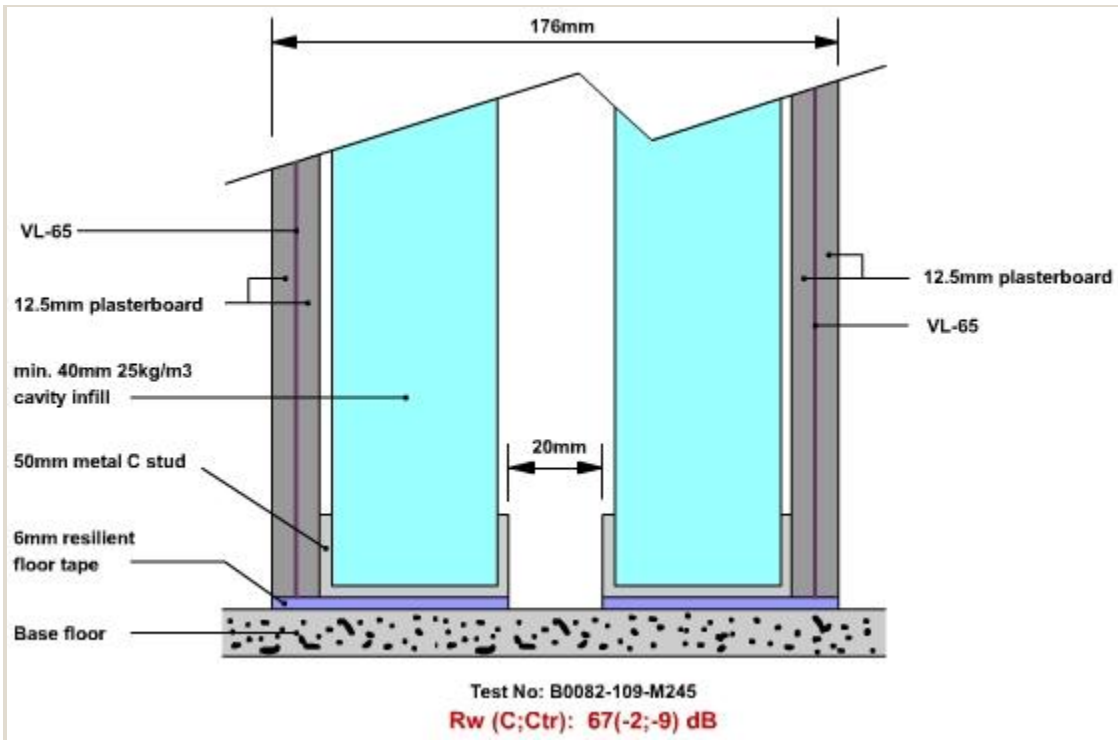
The tests below show standard studwall constructions with and without VL-65 sandwiched between the sheets. The low frequency resonance dip at around 160Hz is reduced by 8dB.

This superb material will improve the overall averaged R_w of a stud partition, as shown below, by 6dB.



Internal Partition with and without VL-65 viscolastic membrane





Separating Partition with VL-65 viscolastic membrane

