

Revac Momentum S50 FF RW25

PRODUCT DESCRIPTION:

Revac Momentum S50 FF RW25 is a space layer limp polymeric noise insulation material with excellent acoustic attenuation properties. The acoustic barrier is decoupled with a 25mm quilted mineral wool. The sheet is a thermoplastic polymer compound based on thermoplastic TPO and naturally occurring minerals. The material does not contain any unrefined aromatic oils, bitumen, lead, cadmium, chromium or similar restricted heavy metals or their compounds.

APPLICATIONS:

Revac Momentum S50 FF RW25 is designed to improve the sound insulation of existing panels and structures which are typically made of wood, metal, and rigid plastics etc. The product is usually fitted in intimate contact with the original panel/structure. It is also widely used for the attenuation of noise in the construction industry.

BENEFITS:

- Easy to handle and install.
- Easy to cut with a knife.
- High acoustic insulation.
- Good flexibility compared to other heavily filled acoustic materials.
- Cold and heat resistant (to temperatures detailed).
- High level of sound dampening.
- Available in sheet or roll form.
- Various weights available.

GENERAL NOTES ON INSTALLATION:

- Acoustic barrier should be positioned outermost from noise source, mineral wool innermost
- Retention straps/tape should be used at maximum 250mm bore, alternatively the coverage can be secured with wire mesh.
- All joints should also be covered with retention straps or tape.
- Tape should be used to seal longitudinal butt joints.
- To get the maximum acoustic benefit, no gaps should be left in the coverage.
- Butt joints should be tight and securely taped.
- Where possible, joints should be overlapped by 50mm to ensure a closed joint.

TECHNICAL SPECIFICATIONS:

MATERIAL DESIGNATION:	Revac Momentum S50 FF RW25
POLYMERIC NOISE CONTROL BARRIER:	
APPARENT DENSITY:	2000kg/m ³ (2g/cm ³)
NOISE REDUCTION (SRI):	41.2dB (BS EN ISO 10140-2) (Details below)
COLOUR:	A Face: Silver (Foil)
SHORE 'A' HARDNESS:	85 Shore 'A' (Barrier)
SUPERFICIAL WEIGHT:	5kg/m ² (+/- 10%)
NOMINAL THICKNESS:	2.5mm (+/- 10%)
FLAMMABILITY:	Independently tested to BS 476 Part 6 & 7: Class '0' Rated
OPERATING TEMP (Static):	-20°C to +90°C (short exposure extremes)
MINERAL WOOL MATERIAL:	
FLAMMABILITY:	Independently tested to BS 476 Part 6 & 7: Class '0' Rated
SUPERFICIAL WEIGHT:	1.125kg/m ² (+/- 10%)
NOMINAL THICKNESS:	25mm (+/- 10%)

ACOUSTIC SPECIFICATIONS:

Test Ref	BS EN ISO 101-40-2:2010	
Hz	Steel 18 swg 9.9kg/m ²	5kg + Mineral Wool 45kg/m ³ 25mm
63	14.3	16.4
125	17.3	15.1
250	22	25.3
500	26.7	44.6
1000	32	54.4
2000	37.2	58.6
4000	41.5	63.6
8000		
Unit Mass (kg/m ²)	9.9	9.9
Barrier		5
Space L		
Space L		1.125
Total Mass (kg/m ²)	9.9	16.025
Rw (dB)	32	38
Average SRI	28.1	41.9
STC	32	39

