

## REVAC MOMENTUM S100 FF NEPTUNE 3045H

### PRODUCT DESCRIPTION:

Revac® Momentum™ S FF Neptune 3045H is a UK building regulations Class 0 foil faced dense flexible sound barrier mat based on a formulation comprising EPR and thermoplastic polymers filled with naturally occurring minerals. The acoustic barrier is decoupled with Solar Neptune polyester/PP ultrafine fibre. The product is free of lead, unrefined aromatic oils, and bitumen.

### APPLICATIONS:

Revac® Momentum™ S FF Neptune 3045H is designed to improve the sound insulation of existing panels of metal, wood, plastic etc., at all frequencies. Available in sheets or rolls the material is particularly soft and flexible to give excellent conformability to existing structures and effective noise insulation of pipes and ductwork and similar assemblies.

### BENEFITS:

- Thermoplastic material, so fully recyclable dependent on customer end use application.
- Easy to handle and install.
- Easy to cut with a knife.
- High acoustic insulation.
- Good flexibility compared to other heavily filled acoustic materials of similar thickness.
- Cold and heat resistant (to temperatures detailed).
- High sound dampening on metallic surfaces.
- Available in sheet or roll form.

### GENERAL NOTES ON INSTALLATION:

Whichever method of installation is chosen:

- 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:

	<b>Revac Momentum S100 FF Neptune 3045H</b>
<b>APPARENT DENSITY:</b>	2000kg/m <sup>3</sup> (2.0g/cm <sup>3</sup> )
<b>NOISE REDUCTION (SRI):</b>	42dB (BS EN ISO 10140-2:2010 Transmission Loss)
<b>NOISE REDUCTION (Rw):</b>	39dB (C;CTR)=39 (-1;-4)dB
<b>COLOUR:</b>	A Surface: Silver. B Surface: White (Neptune Quilt)
<b>SUPERFICIAL WEIGHT:</b>	10.63kg/m <sup>2</sup> (+/- 10%)
<b>NOMINAL THICKNESS:</b>	30mm (+/- 10%)
<b>FLAMMABILITY:</b>	BS 476 (Part 6 & 7) Class '0'
<b>OPERATING TEMP (Static):</b>	-20°C to +93°C (short exposure extremes)

Test Ref	BS EN ISO 10140-2 (Free Hanging Curtain)
Hz	Momentum S 100FF Neptune 3045H
63	17.8
125	17.6
250	22.1
500	43.6
1000	54.3
2000	58.3
4000	62.8
8000	
Unit Mass (kg/m <sup>2</sup> )	9.9
Barrier	10
Space L	
Space L	0.30
Total Mass (kg/m <sup>2</sup> )	10.30
Rw (dB)	39
Average SRI	41.7
STC	40

