

## General Information

**Product Name:** REVAC® BM 0100

**Product Description:** REVAC® BM 0100 is a dense, mineral loaded vinyl (MLV) sound barrier comprised of a high percentage of recycled raw materials. The product is a cost-effective mass layer which can be used for general sound reduction applications. In addition, it has been designed to have good oil resistance properties making the product especially well suited to acoustic pipe wrap applications in the oil and gas industry. The product is free of lead, unrefined aromatic oils and bitumen. It has excellent resistance to mineral oils, greases, weak acids and alkalis.

**Construction:** Monolayer barrier

**Application:** Designed to improve the sound insulation of pipework and other structures at all frequencies. The mat is normally fixed in intimate contact with the original substrate or intermediate space layers.

## Technical Data

Description	Data	Unit	Tolerance	Test Method
Apparent Density	2200	Kg/m <sup>3</sup>	+/- 10%	DIN EN 1602
Reaction to Fire	Pass	-	-	FMVSS 302
Nominal Weight	10.0	Kg/m <sup>2</sup>	+10/- 5%	-
Nominal Thickness	4.55	mm	+20/- 10%	-
Strain at break	30	%	Minimum	ISO 37:2011 (E)
Stress at peak	1.3	N/mm <sup>2</sup>	Minimum	ISO 37:2011 (E)
Durometer hardness (Shore A)	95	-	Typical	Internal
Static Operating Temp. Range	- 20 – 95 (Short exposure at extremes)	°C	-	Internal
Oil Resistance (2 hours, 80 °C)	Diesel shrinkage < 3 %	-	-	Internal
Colour	Black	-	-	-

## Acoustic Data

Data extrapolated from BS EN ISO 10140-2 (Free Hanging Curtain)	
Hz	Revac® BM0100
125	18.3
250	21.4
500	26.3
1000	31.5
2000	36.6
4000	42.5
Unit Mass (kg/m <sup>2</sup> )	10.0
Barrier (kg/m <sup>2</sup> )	10.0
Space L	0.0
Space L	0.0
Total Mass (kg/m <sup>2</sup> )	10.0
Rw (dB) @ 1000Hz	32
Average SRI	29

