

## General Information

**Product Name:** REVAC® IS BM 30 HM C

**Product Description:** REVAC® IS BM HM C is a dense, reinforced, mineral loaded vinyl (MLV) sound barrier comprised of a high percentage of recycled raw materials. The product is a mass layer which can be used for general sound reduction applications. It is reinforced on 1 face with non-biodegradable coated PET Mesh which gives the product increased strength. The outer face is coated with a UV stable jet black top coat for an improved aesthetic quality. The product is free of lead, unrefined aromatic oils and bitumen. It has excellent resistance to mineral oils, greases, weak acids and alkalis.

**Construction:** Coated PET Mesh - PVC Barrier – UV Stable Black PVC Top Coat

**Application:** Designed to improve the sound insulation of existing panels of metal, wood, plastic etc, at all frequencies. The mat is normally fixed in intimate contact with the original panel. REVAC® barriers are particularly effective in overcoming coincidence dip resonance found in stiff lightweight composites such as plywood sheets and hollow core panels. IS BM HM C can also be used as a free hanging acoustic curtain.

## Technical Data

Description	Data	Unit	Tolerance	Test Method
Apparent Density	2000	Kg/m <sup>3</sup>	+/- 10%	DIN EN 1602
Reaction to Fire	Pass	-	-	FMVSS 302
Nominal Weight	3.0	Kg/m <sup>2</sup>	+/-10%	-
Nominal Thickness	1.50	mm	+20/- 10%	-
Strain at break	20	%	Minimum	ISO 37:2011 (E)
Stress at peak	7.0	N/mm <sup>2</sup>	Minimum	ISO 37:2011 (E)
Tear Strength	35	N/mm	Minimum	ISO 34-1:2010
Durometer hardness (Shore A)	95	-	Typical	Internal
Static Operating Temp. Range	- 20 – 95 (Short exposure at extremes)	°C	-	Internal
Colour	Black	-	-	-

## Acoustic Data

Data extrapolated from BS EN ISO 10140-2 (Free Hanging Curtain)	
Hz	Revac® IS BM 30 HM C
125	10.4
250	12.6
500	17
1000	21.1
2000	27.7
4000	34.6
Barrier (kg/m <sup>2</sup> )	2.70
PET Mesh (kg/m <sup>2</sup> )	0.10
UV Top Coat (kg/m <sup>2</sup> )	0.20
Total Mass (kg/m <sup>2</sup> )	3.00
Rw (dB) @ 1000Hz	21
Average SRI	21

