

General Information

Product Name: REVAC® BM 0050 HS / HSHB

Product Description: REVAC® BM HSHB is a dense, highly flexible mineral loaded vinyl (MLV) sound barrier comprised of a high percentage of recycled raw materials. The HSHB (high strength, horizontal burn) product has increased strength over standard barriers and is certified to UL94-HB fire classification. The material is free of lead, unrefined aromatic oils, bitumen, asbestos, chromates, CFC's, HCFC's and other ODC's and has excellent resistance to mineral oils, greases, weak acids, and alkalis. The material is thermoplastic and is 100% recyclable.

Construction: Monolayer barrier

Application: Designed to improve the sound insulation and absorption 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.

Technical Data

Description	Data	Unit	Tolerance	Test Method
Apparent Density	2200	Kg/m ³	+/- 10%	DIN EN 1602
Reaction to Fire	Pass	-	-	UL94 HB
Nominal Weight	5.0	Kg/m ²	+/-10%	-
Nominal Thickness	2.27	mm	+20/-10%	-
Strain at break	40	%	Minimum	ISO 37:2011 (E)
Stress at peak	2.6	N/mm ²	Minimum	ISO 37:2011 (E)
Durometer hardness (Shore A)	90	-	Typical	Internal
Static Operating Temp. Range	- 20 – 93 (Short exposure at extremes)	°C	-	Internal
Oil Resistance (2 hours, 80°C)	Diesel shrinkage < 3 %	-	-	Internal
Shelf Life	18 months stored > 0°C	-	-	Internal
Colour	Black/Grey	-	-	-

Acoustic Data

Data extrapolated from BS EN ISO 10140-2 (Free Hanging Curtain)	
Hz	Revac® BM 0050 HS / HSHB
125	13.8
250	16.4
500	21
1000	25.6
2000	31.5
4000	38
Barrier (lb/ft ²)	5.00
Space L	0.0
Space L	0.0
Total Mass (lb/ft ²)	5.00
Rw (dB) @ 1000Hz	26
Average SRI	24

