

General Information

Product Name: REVAC® Eco Auto DC 50

Product Description: REVAC® Eco Auto DC is a limp polymeric noise insulation material with excellent acoustic attenuation properties. The polymer sheet is a compound based on thermoplastics and naturally occurring minerals. It is a cost-effective mass layer which can be used for general acoustic applications where high performance is not too demanding such as thermoforming. The material does not contain any unrefined aromatic oils, lead, cadmium, or halogenated polymers.

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	2000	Kg/m ³	+/- 10%	DIN EN 1602
Reaction to Fire	Pass	-	-	FMVSS 302
Nominal Weight	5.0	Kg/m ²	+/- 10%	-
Nominal Thickness	2.5	mm	+20/- 10%	-
Strain at break	100	%	Minimum	ISO 37:2011 (E)
Stress at peak	1.0	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
Colour	Black/Grey	-	-	-

Acoustic Data

Data extrapolated from BS EN ISO 10140-2 (Free Hanging Curtain)	
Hz	Revac® Eco Auto DC 50
125	13.8
250	16.4
500	21
1000	25.6
2000	31.5
4000	38
Barrier (kg/m ²)	5.0
Space L	0.0
Space L	0.0
Total Mass (kg/m ²)	5.0
R _w (dB) @ 1000Hz	26
Average SRI	24

