

Paramount Acco-Isolate Acoustic Insulation

For HVAC Ducting, D.G. Rooms, Theatres, Building Walls and Partitions, Carpet, and Wooden Floor Underlay

High-Performance Sound, Vibration & Shock absorption

Salient features of Paramount Acco-Isolate Acoustic Insulation

- It has fire properties as per Class 1 BS 476 part 7 and class O BS 476 part 6 and passes the smoke and toxicity behaviour test as per IMO MSC 307(88) Annex 1: Part 2.
- It is a thin and flexible material that can be very easily cut into pieces by scissors or knife.
- Absolutely environment-friendly product
- It has excellent life-long thermal performance, high compressive strength and open cell structure.
- Does not support growth of Mildew Fungus

Applications

- Acoustic enclosures
- Sound absorption in marine engine rooms
- Generator and compressor enclosures
- Construction projects and Cabin construction
- Sound studios & Theatres
- Air Ducts and Air Handling units
- Underdeck for metallic roofing
- Carpet and wooden Underlay flooring

Acco-Isolate Acoustic Insulation is an Open-Cell Oxide Acetate Foam that has sound absorption and sound insulating properties. It is a unique material made using Paramount's in-house foam technology and especially designed to meet the most demanding requirements of noise, vibration, and shock insulation. Acco-Isolate acts as a membrane absorber across the full frequency spectrum including low, mid, and high frequencies, and offers a quieter environment and healthier sound space.

It does not produce fire particles and prevents flame propagation and is recommended as the ideal choice for residential areas and public buildings. Ideal for both cold and warm conditions ranging between - 40° C to +100° C, it also provides moisture resistance, contains anti-bacterial and anti-fungal properties which makes it a great choice for air conditioner duct lining.





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TECHINCAL DETAILS - CROSS LINKED CLOSED CELL OXIDE ACETATE FOAM

S No.	Properties	Standard	Technical Details	
1	Material		Oxide Acetate Foam	
2	Cell Structure		Open cell, Crossed Linked, Stress Crack Resistant	
3	Physical Appearance		One side open cell, Soft, Flexible, & Glossy	
4	Density		30 ± 3 kg/m3	
5	Noise Reduction Coefficient At 10 mm thickness	IS:8225-1987 (Equivalent to ISO:354 – 1985 and ASTM 423-90) Test carried by NPL - CSIR National Physical Laboratory	NRC : 0.50	
6	Sound Transmission Loss dB	ISO 10140-2/ASTM F-90	Frequency	STL, dB
Ŭ	At 10 mm thickness	Test carried by ARAI - Automotive Research Association of India	100 500 1000 4000 5000	13.8 25.5 28.2 33.7 38.1
7	Fire Test a) Surface Spread of Flame b) Fire Propagation Index	BS 476 Part 7 BS 476 Part 6	Class 1 Class O	
8	Color		Black	
9	Service Temperature Range	Using Climate Chamber	- 40° C to 100° C	
10	Thermal Conductivity	IS 3346/1980	0.032 W/MK at 23° C	
11	Smoke & Toxicity Index	IMO MSC 307(88) 2010- AN 1, PT 2	Passed	
12	Fungal Resistant	ASTM G-21	Negative (No growth observed)	
13	Bacteria Resistance	ASTM G-22	Negative (No growth observed)	
14	Mold Growth	IS 3144:1992	Negative (No growth observed)	
15	CFC/HCFC	US EPA 5021 A (2014)	Free	
16	RoHS Restriction of (the use of certain) Hazardous Substances	Lead, Cadmium, Mercury, Hexavalent Chromium, PBB, PBDE, DEHP, BBP, DBP and DIBP	Passed	









Thermal Insulation

Acoustic Insulation

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