

Isofoam ISOFO120

Lateral Isolation Material

Why choose Farrat Isofoam?

Isofoam is used predominantly as a sidewall / lateral vibration damping and isolation material since foam based materials have a tendency to creep when subjected to constant compressive forces such as under constant vertical compressive loading. Isofoam is a high quality, durable and economical material.

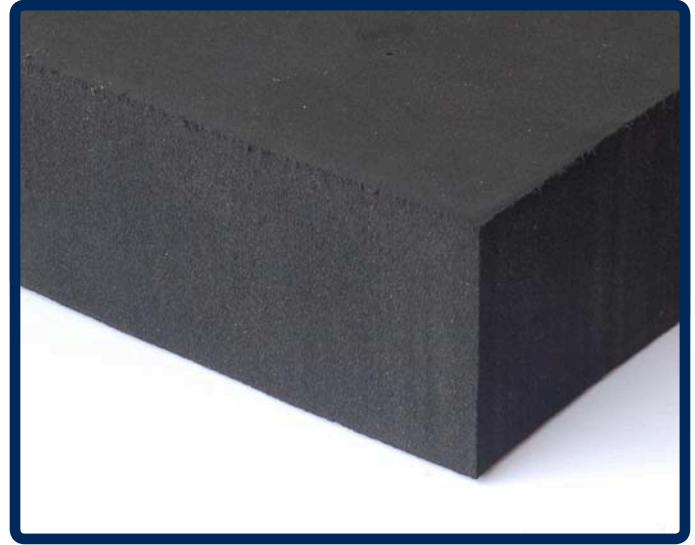
Features

-)] Produced from high quality Closed Cell EPDM foam
-)] High resilience and low damping characteristics
-)] Can be supplied as sheets or cut to size pads and strips (including holes and slots if required) according to the customer's requirements.

Applications

Farrat Isofoam can be used in the following applications;

-)] Sidewall isolation of:
 - Passive and Lateral Isolated Foundations
 - Acoustic Floating Floors
-)] Vibration isolation of lightweight loads.



Characteristics	Unit	Test Standard	ISOFO120
Elastomeric Material			Closed Cell EPDM
Colour			Black
Thicknesses (alternatives available on request)	mm		15, 25, 50
Standard Sheet Size	mm		2000 x 1000
Compression Modulus - Average Static (Ec)	N/mm ² / Mpa		0.17
Max working Pressure (25% deflection)	kPa		42.5
Equivalent depth of wet concrete	m		0 to 1.5
Ultimate Pressure (50% deflection)	kPa		112
Density	kg/m ³		120 ±20
Compression Set (50%, 22h, 20°C)	%	ASTM D1056-00	21.1
Water absorption (max change in weight)	%	ASTM D1056-00	0.9
Elongation at break	%	ISO 1798-7	>150
Tensile Strength	kPa	ISO 1798-7	>300
Operating Temperatures*	°C		-40 to +70
Maximum intermittent temperature	°C		+90
Flamability (Burn rate < 100mm)		FMVSS-302	Pass
Resistance to Air + UV			Excellent
Resistance to Acids			Good
Resistance to Oil			Poor*
Environmental			CFC & HFC Free. Can be recycled.

* Oil resistant grades are available to special order.

All information in this brochure is for guidance only based on current knowledge and may be subject to change and correction.