

Isofoam ISOFO120

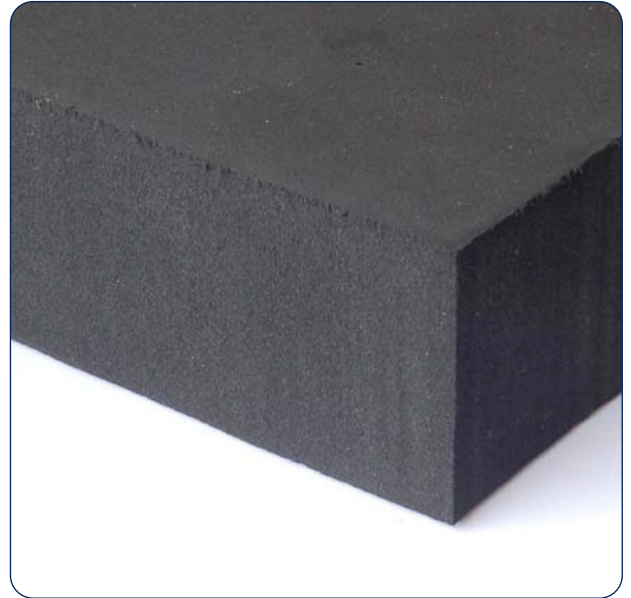
Lateral Isolation Material

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 datasheet is for guidance only based on current knowledge and may be subject to change and correction.