

FAVIM FVM100

Recycled Acoustic and Vibration Isolation Material



AVM - FAVIM FVM100 - 10a

Why choose Farrat FAVIM?

FAVIM is the 'environmentally friendly', high performance, durable and economical solution to vibration and impact sound insulation. Produced from the highest quality recycled rubber and foam granulate with polyurethane bonding agent in tightly controlled, state of the art manufacturing processes.

Features

- Environment-friendly (recycled and recyclable).
- Excellent impact sound and vibration absorption.
- Operating Loads up to 0.1N/mm² (100kPa).
- Simple & quick installation methods.
- Excellent long term resilience performance.
- Resistance to moisture absorption and rot.
- Very high level of product quality.
- Can be laid directly onto consolidated hardcore where it will, to an extent, compensate for surface irregularities.
- 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 FAVIM100 is used mainly for 'full area' vibration damping and sound deadening and lateral isolation.

Industrial

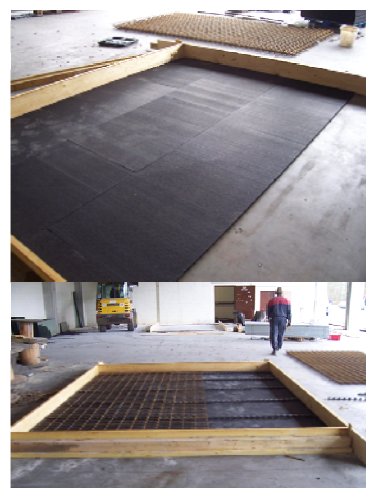
- Industrial factory and warehouse floors.
- Machine and plant isolated foundations / plinths.
- Lateral isolated foundations.
- Fork lift truck and other vehicle routes.

Buildings & Structures

- Acoustic floating floors (commercial & residential).
 - ◇ Plant room floor and equipment isolation.
 - ◇ Laboratory floors.
 - ◇ Supermarket and warehouse floors.
 - ◇ Bowling alleys.
 - ◇ Hotels & Airports.
- HVAC & plant equipment plinth isolation.
- Lift and escalators.
- Helicopter landing pads.

Civil Engineering

- Railway track bed isolation.
- Railway platform isolation.
- Road isolation.



Above: FAVIM used as full area isolation of a floor.

Left: FAVIM used as strip isolation for studwork partition walls in cinemas.

Below: FAVIM used as lateral isolation strips for floating floors.



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Technical and Performance Characteristics

Characteristics	Unit	Test Standard	FAVIM FVM100
Elastomeric Material			Fine granules of recycled rubber foam with PU elastomer bonding agent.
Colour			Black
Thicknesses (alternatives available on request)	mm		12.5, 25, 50
Compression Modulus - Average Static (E_c)	N/mm^2		0.3 - 0.5
Max working Pressure (25% deflection)	N/mm^2		0.1
Max Pressure (30% deflection)	N/mm^2	EN 826	0.2
Ultimate Pressure (Short peaks - 60% deflection)	N/mm^2		0.7
Density	kg/m^3		500 - 600
Elongation at break	%	ISO 1798	70
Tensile Strength	N/mm^2	ISO 1798	0.4
Operating Temperatures*	°C		-30 to +80
Flamability		EN 13501-1	E_{fl} , B2
Environmental			Recycled & Recyclable
Standard Sheet Size	mm		1250 x 1000 \pm 1.5 %

