

TECHNICAL SPECIFICATION

Anti-vibration bearing in the thickness of 20 mm or 50 mm, produced using fibres and granules of SBR rubber (Stirene Butadiene Rubber) and granules of EPDM rubber (Ethylene Propylene Diene Monomer), selected and compacted using a polyurethane glue in a hot process. A non-woven, non-stretch waperproof synthetic membrane is applied on one side of the bearings, for added protection; density 500 kg/m³. Panels dimensions are ... lenght, ... width.



AREA OF APPLICATION	COMPRESSION LOAD	DEFLECTION
Static range of use (static loads)	0,05 N/mm ²	10%
Operating load range (static plus dynamic loads)	0,05 ÷ 0,35 N/mm ²	10% ÷ 30%
Load peaks (short term, infrequent loads)	1,00 N/mm ²	50%

AREA OF APPLICATION

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					MEGAMAT ME 950
					MEGAMAT ME 800
					MEGAMAT ME 650
					MEGAMAT ME 500
					PAD / STRIPE
					MEGAPOINT

specific load (N/mm²)

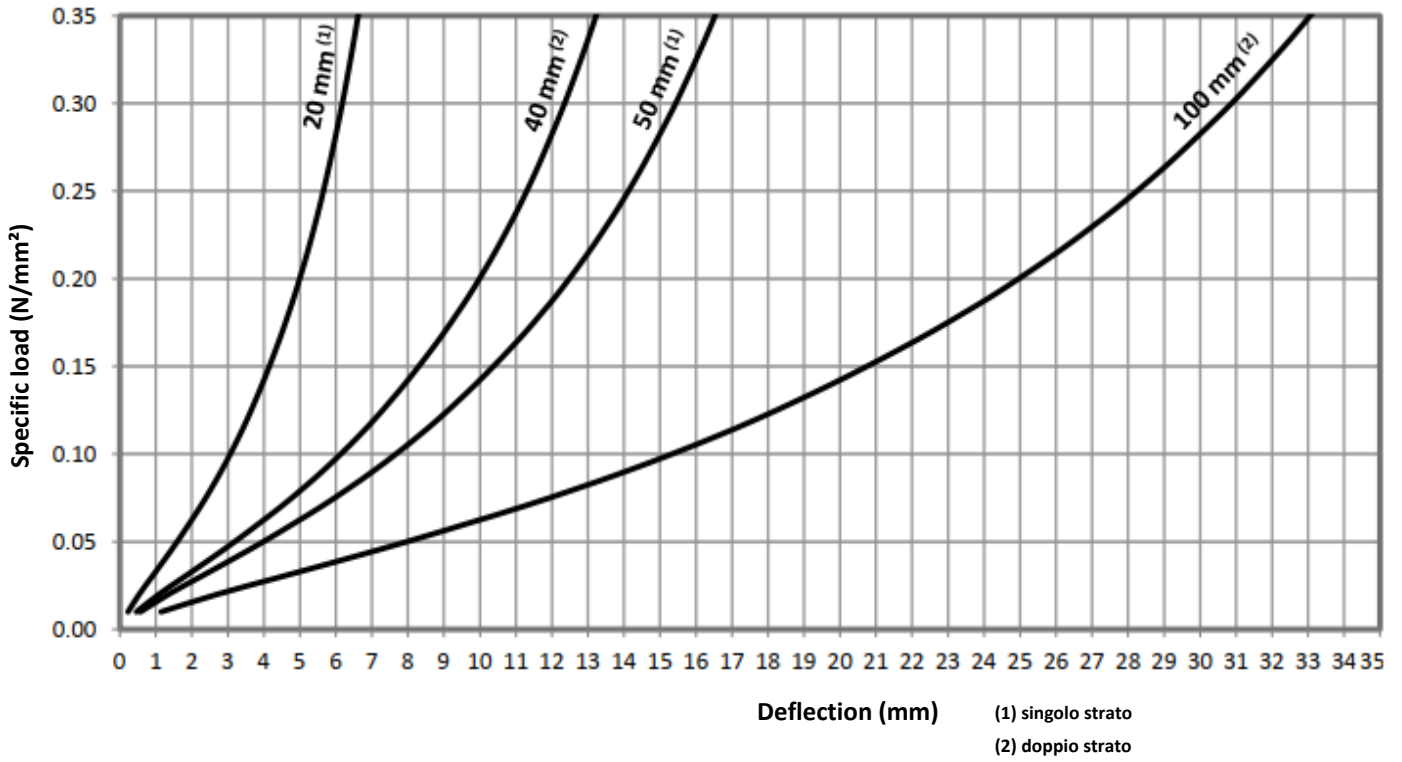
PHYSICAL CHARACTERISTICS	Standard	Unit	PAD	STRIPE	Tolerance
Thickness		mm	20/50		± 2
Length		mm	240	1000	± 0,01
Width		mm	240	200	± 0,01
Density		kg/m ³	500		± 5%
Backing superficial mass		g/m ²	110		
Colour			black/red		

ACOUSTIC CHARACTERISTICS	Standard	Unit	PAD	STRIPE	Tolerance
Stress at strain 10%	UNI 11059	N/mm ²	0,063		± 10%
Static Modulus of Elasticity (Es) - strain 10%	UNI 11059	N/mm ²	0,623		± 10%
Dynamic Modulus of Elasticity (Ed) - strain 10%	UNI 11059	N/mm ²	1,750		± 10%
Static Shear Modulus (Gs)	ISO 1827	N/mm ²	0,164		± 10%
Loss factor (η)	UNI 11059		0,143		± 0,009%

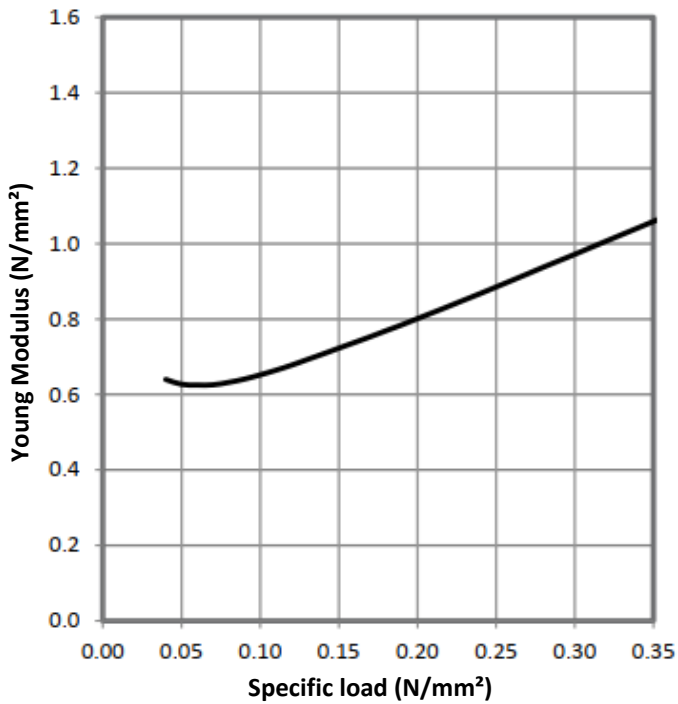
TECHNICAL CHARACTERISTICS	Standard	PAD	STRIPE	Tolerance
Temperature range of use		-20 °C / +110 °C		± 5%
Inflammability	EN 13501-1	E		

The suggestions and technical information given above represent our knowledge regarding the properties and the product's uses. ISOLGOMMA reserve the right to modify or update this data without prior notice. This document is the property of ISOLGOMMA and all rights are therefore reserved.

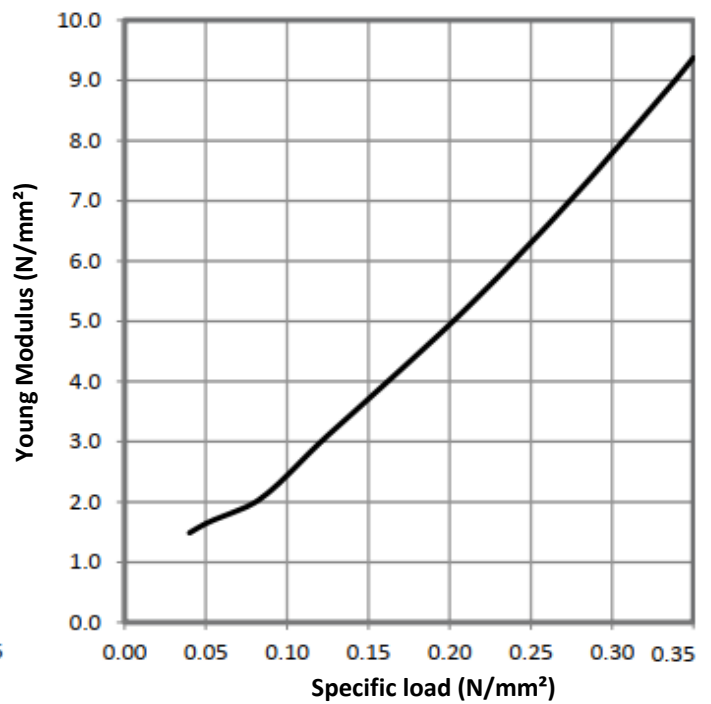
LOAD DEFLECTION CURVE



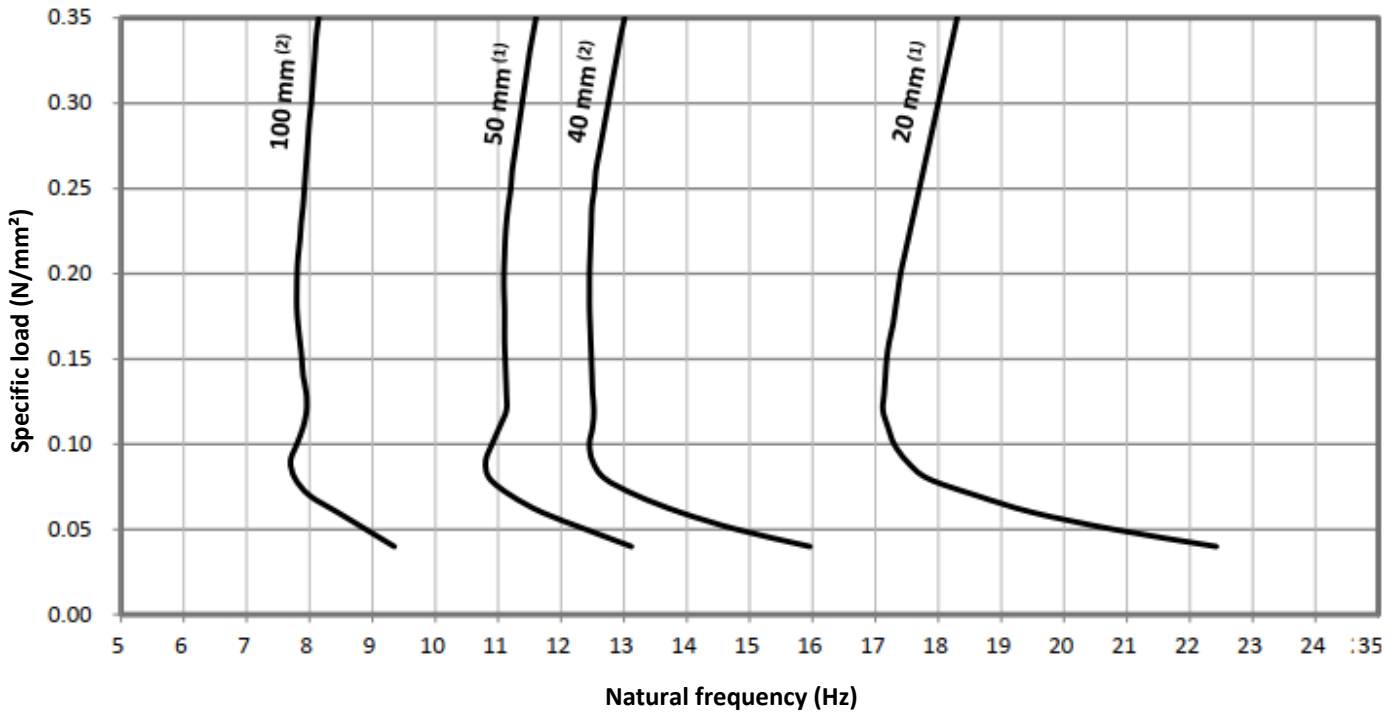
STATIC MODULUS OF ELASTICITY



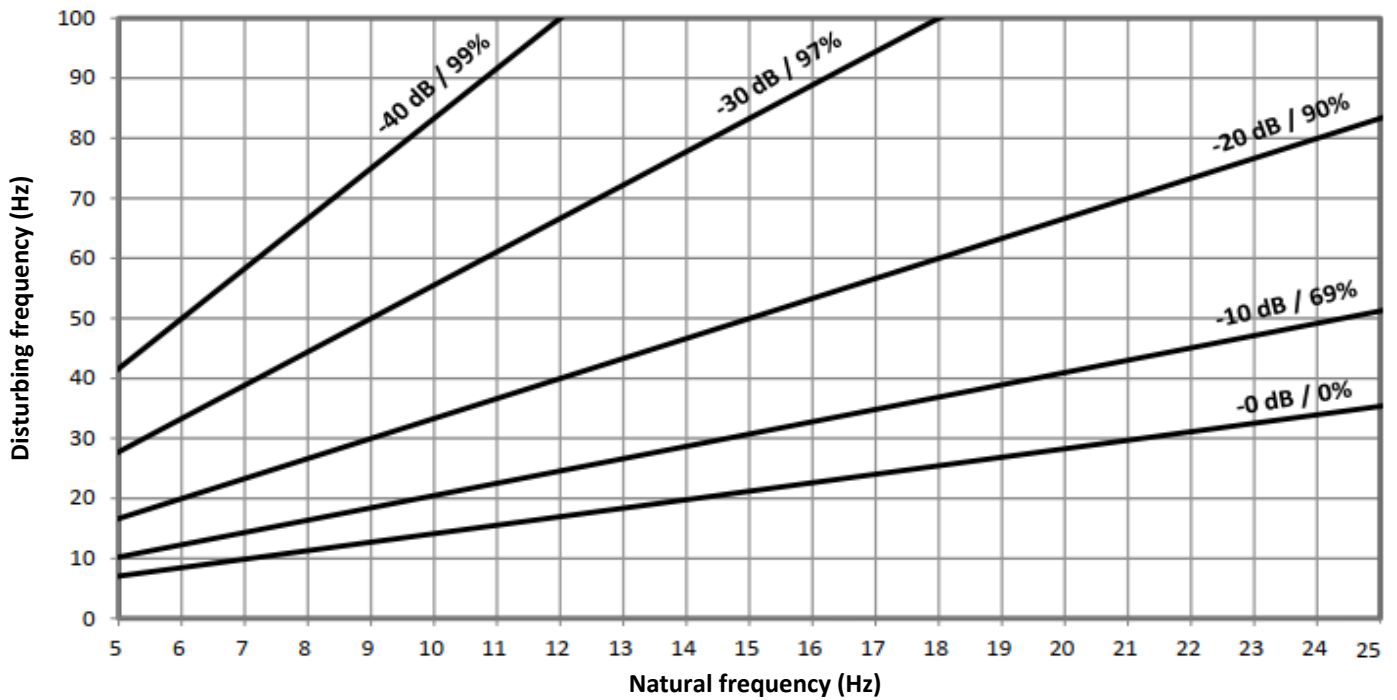
DYNAMIC MODULUS OF ELASTICITY



NATURAL FREQUENCY



VIBRATION ISOLATION EFFICIENCY



INSTALLATION INSTRUCTIONS



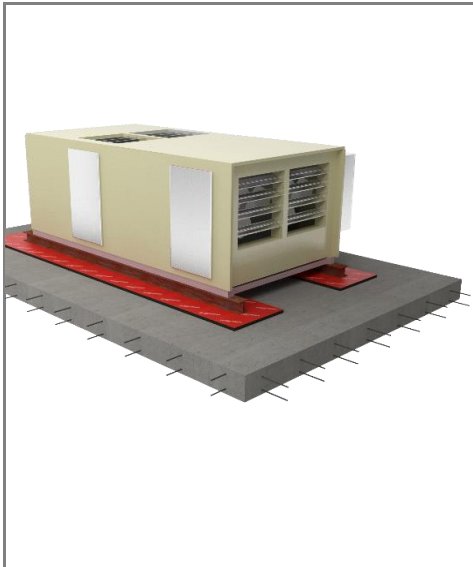
FLOATING FLOORS
INSULATION FOR
MACHINERIES



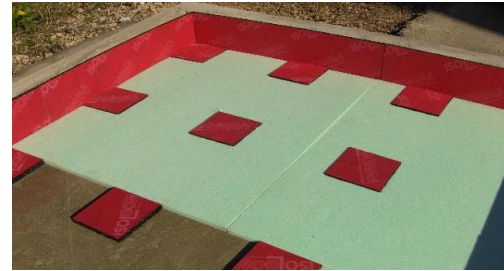
Build the containment pit (concrete or steel L-shaped profile). Clean the surface of the base of any residue.



Glue the Megamat panels on the vertical surface of the containment pit, without leaving any gaps between two adjacent panels.



SWIMMING POOL
INSULATION



Place the Pad/Stripe bearings and the Fybros panel, according to the designed layout.



Seal the vertical junctions between adjacent panels with Stik tape and apply a waterproof film before building the floating slab.



A reinforcement steel mesh should be properly designed and installed depending on the screed dimensions. Build the floating slab.