



## TECHNICAL DATA

## Pad - Stripe

### Vibration insulation

#### Product description and 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 waterproof synthetic membrane is applied on one side of the bearings, for added protection; density 500 kg/m<sup>3</sup>. Panels dimensions are ... length, ... width.

- High performance in reduced thickness
- Easy to lay
- Durable material



Area of application	Compression load	Deflection
Static range of use (static loads)	0.05 N/mm <sup>2</sup>	10%
operating load range (static plus dynamic loads)	0.05 ÷ 0.35 N/mm <sup>2</sup>	10% ÷ 30%
load peaks (short term, infrequent loads)	1.00 N/mm <sup>2</sup>	50%

Area of application			
2.00	1.20	0.70	ME950
			ME800
	0.35	ME650	
		ME500	

specific load (N/mm<sup>2</sup>)

PHYSICAL CHARACTERISTICS	Norm	Unit	Pad	Stripe	Tolerance
Nominal thickness		mm	20 - 50		± 1
Length		mm	240 <sup>(1)</sup>	1000	± 0.01
Width		mm	240 <sup>(1)</sup>	200	± 0.01
Density		kg/m <sup>3</sup>	500		± 5%
Backing superficial mass		g/m <sup>2</sup>	110		
Colour			black/red		

TECHNICAL CHARACTERISTICS	Norm	Unit	Pad	Stripe	Tolerance
Stress at strain 10%	UNI 11059	N/mm <sup>2</sup>	0.063		± 10%
Static Modulus of Elasticity (Es) - strain 10%	UNI 11059	N/mm <sup>2</sup>	0.623		± 10%
Dynamic Modulus of Elasticity (Ed) - strain 10%	UNI 11059	N/mm <sup>2</sup>	1.750		± 10%
Static Shear Modulus (Gs)	ISO 1827	N/mm <sup>2</sup>	0.164		± 10%
Loss factor (η)	UNI 11059		0.143		± 0.009

PHYSICAL AND CHEMICAL PROPERTIES	Norm	Pad	Stripe	Tolerance
Temperature range of use		-20 °C / +110 °C		± 5%
Inflammability	DIN 4102	B2		

<sup>(1)</sup> The product PAD ME 500 with dimensions 240 mm x 240 mm has rounded corners.

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

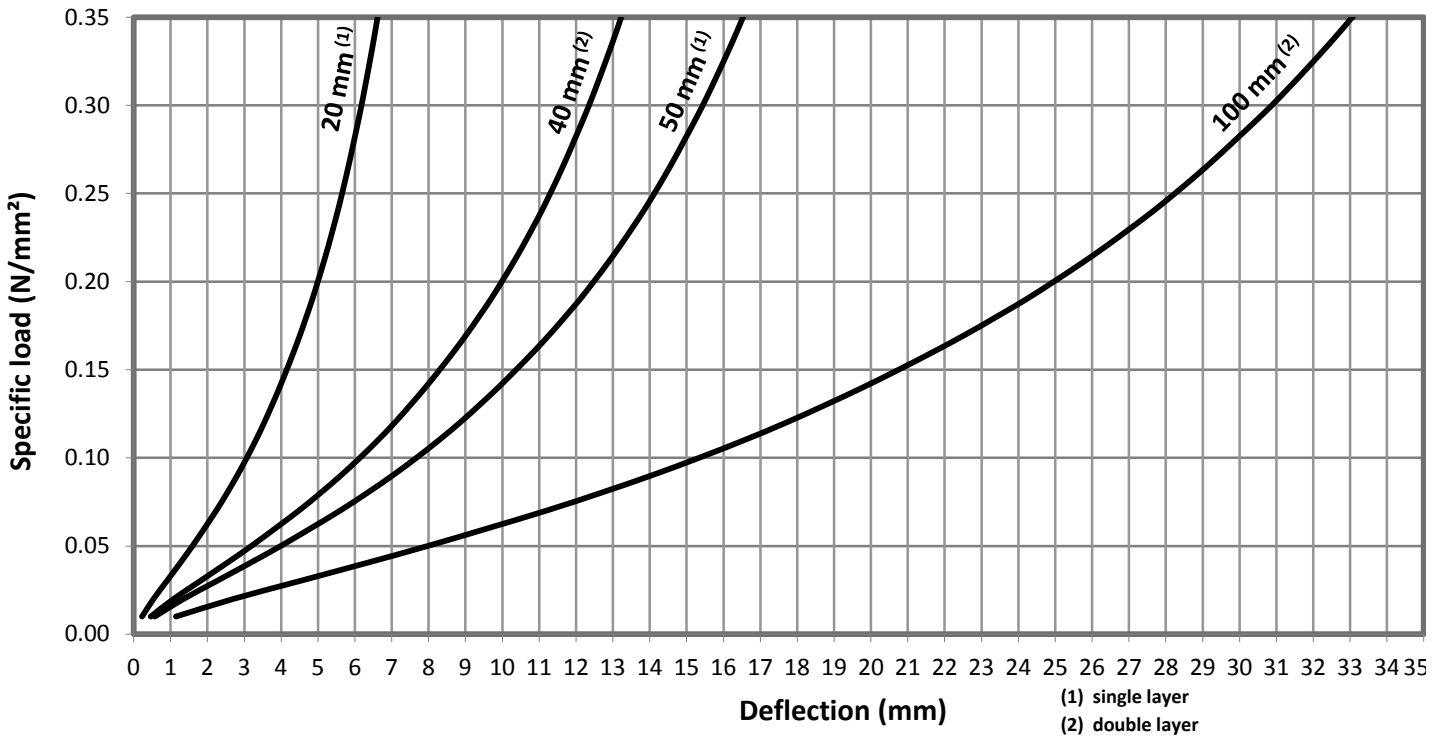


**TECHNICAL DATA**

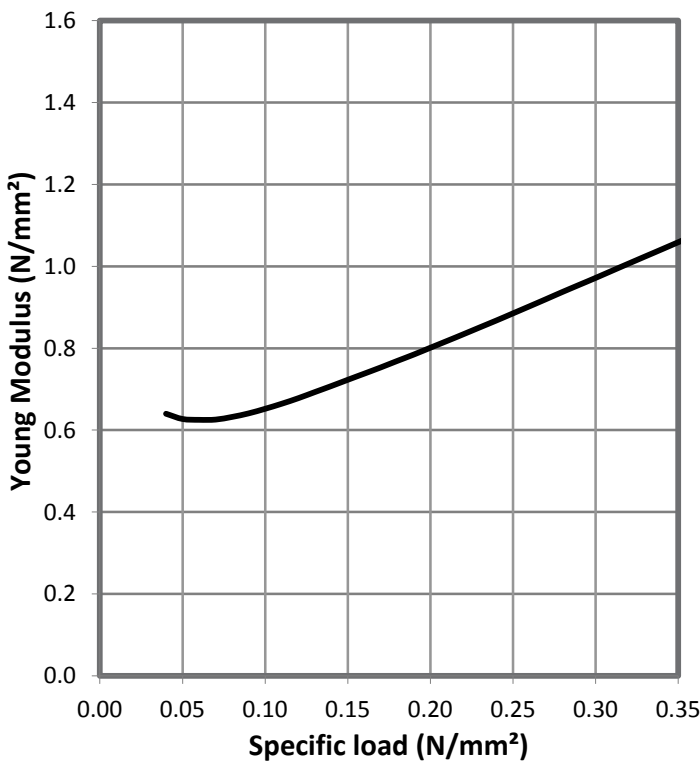
*Pad - Stripe*

Vibration insulation

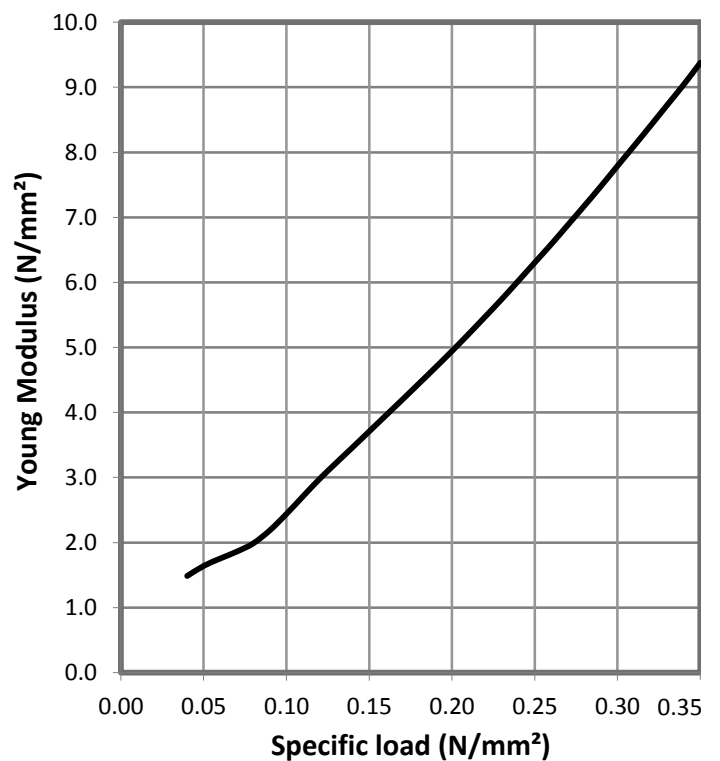
Load deflection curve



Static Modulus of Elasticity



Dynamic Modulus of Elasticity



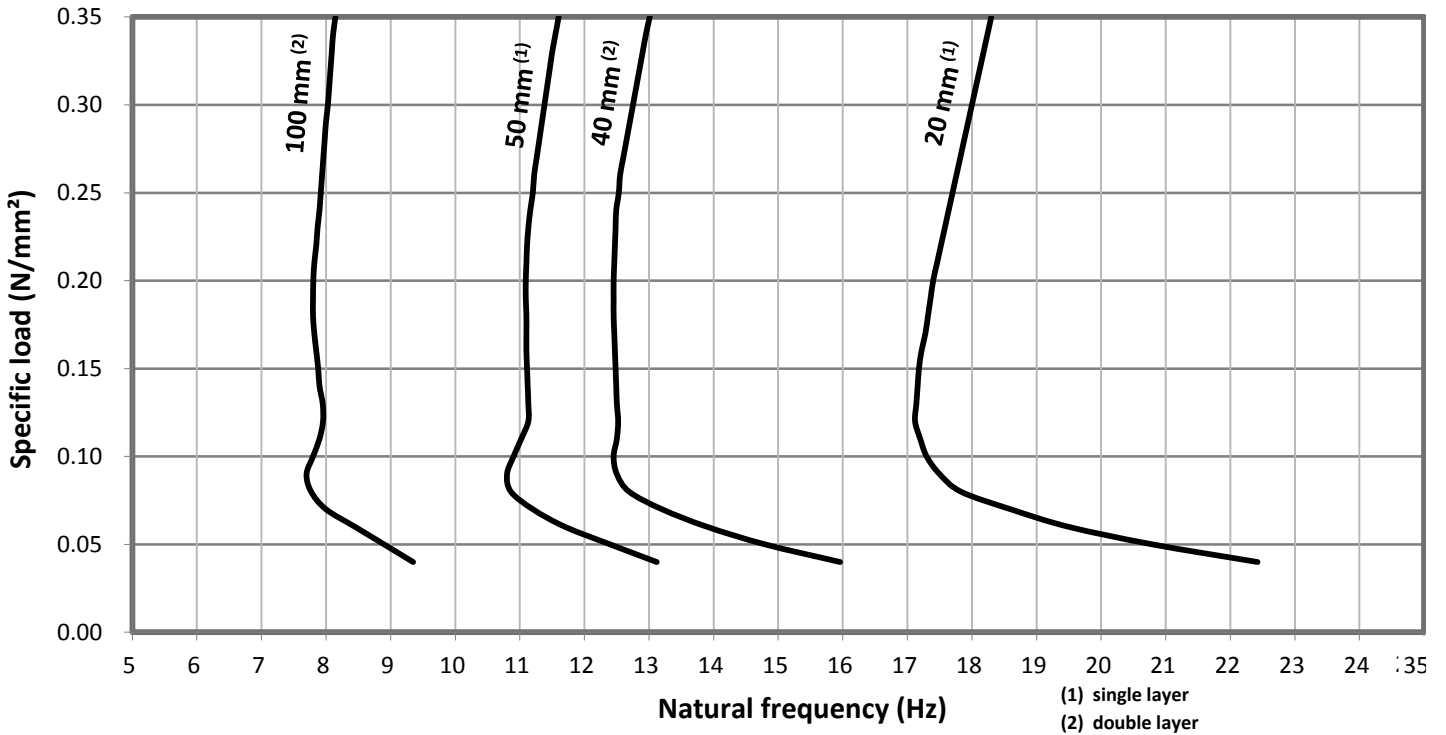


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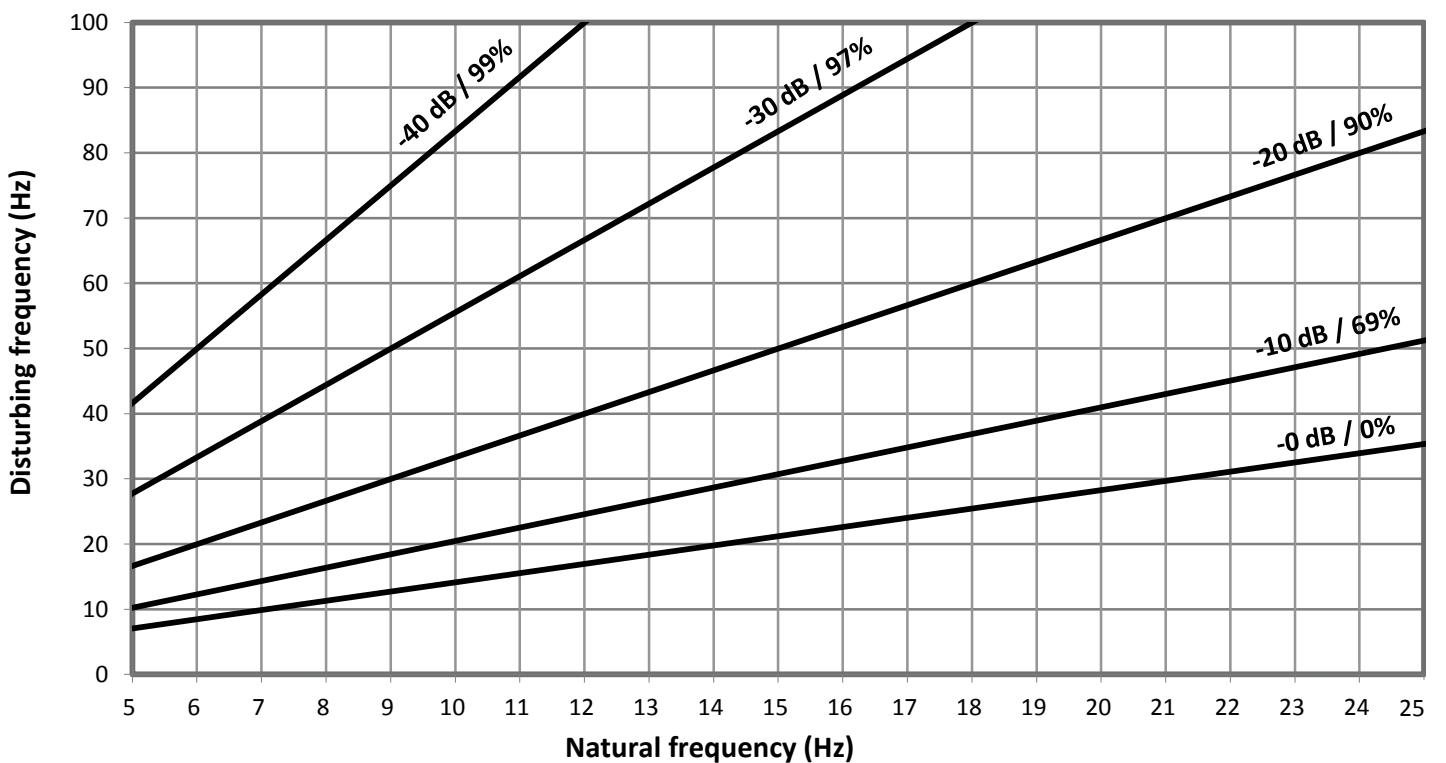
*Pad - Stripe*

Vibration insulation

Natural frequency



Vibration Isolation efficiency



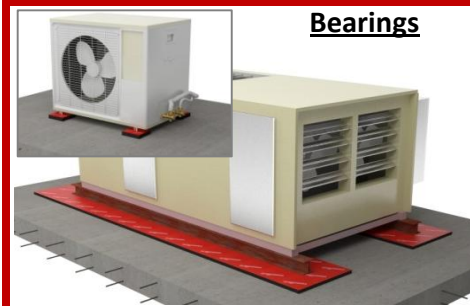


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*Pad - Stripe*

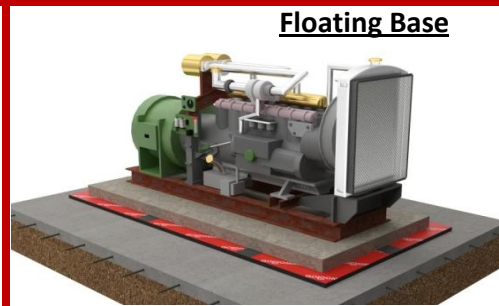
Vibration insulation

Laying instruction



**Bearings**

Place the Megamat plates or strips dry and place the machine on them.



**Floating Base**

Follow the installation instructions below.



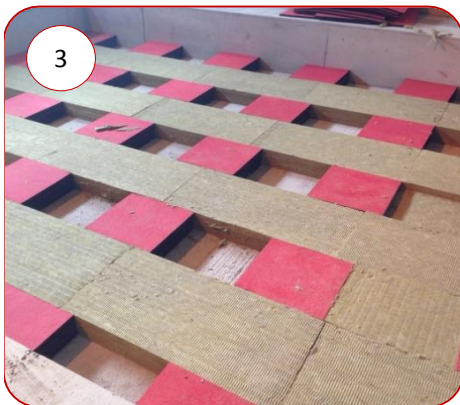
1

Build the containment foundation pit, taking care that the surfaces of the base and sides are clean and free of bumps.



2

Lay the pads according to the specification. In the case of more layers, take care of the correct alignment among layers.



3

Lay the panels of fibrous material (if needed) in the gap among the pads, until reaching the total height. The fibrous panels should have a density of at least 80 kg/m<sup>3</sup>.



4

Glue the panels on the sides of the trench by smearing glue on the entire surface or distributed by spots, install the panels side by side without leaving gaps or cavities along the edges of the joints.



5

Lay a waterproof film on the products, to prevent any accidental cement infiltration and place the steel mesh.



6

Build the concrete foundation in the pit directly.