

# MEGAMAT 950

## VIBRATION CONTROL

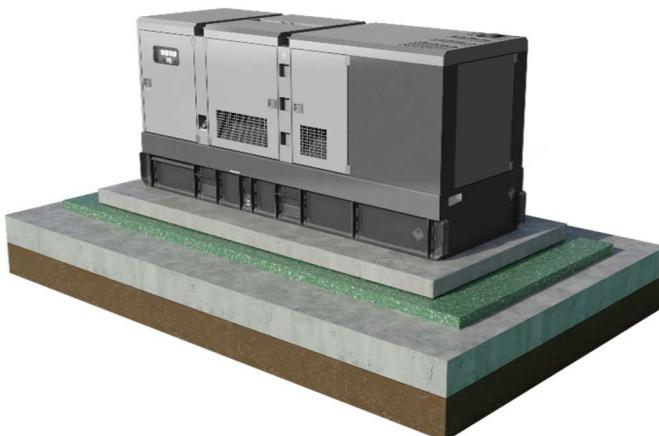


### VIBRATION INSULATION PANEL MADE OF END-OF-LIFE TYRES RUBBER GRANULES AND FIBRES



#### ■ TECHNICAL SPECIFICATION

Anti-vibration material supplied in panels, thickness 12,5/25 mm, made of rubber granules and fibres from End-of-Life Tyres (ELTs) compacted using a polyurethane binder in a hot process. A non-woven, non-stretch synthetic membrane is applied on one side of panel, for added protection; density 950 kg/m<sup>3</sup>. Panels dimensions are m 1,20 lenght, m 0,80 width. To be used for static and dynamic loads up to 2 N/mm<sup>2</sup>.



#### ■ APPLICATION AREA

Application fields	Load	Deformation
Static	up to 0,50 N/mm <sup>2</sup>	~ 10%
Static and Dynamic	up to 2,00 N/mm <sup>2</sup>	~ 30%
Load peaks (short time)	up to 4,00 N/mm <sup>2</sup>	~ 50%

#### ■ TECHNICAL DATA

	Tolerance	Standard
Thickness	12,5 - 25 mm	± 2
Length	1,20 m	± 2%
Width	0,80 m	± 2%
Density	950 kg/m <sup>3</sup>	± 10%
Stress at strain 10%	0,50 N/mm <sup>2</sup>	± 10% EN ISO 29470
Static Modulus of Elasticity (Es) - strain 10%	5,00 N/mm <sup>2</sup>	± 10% EN ISO 29470
Dynamic Modulus of Elasticity (Ed) - strain 10%	14,2 N/mm <sup>2</sup>	± 10%
Loss factor (η)	0,137	± 10%
Thermal conductivity coefficient (λ)	0,090	EN 12668
Inflammability	E	EN 13501-2

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### INSTALLATION INSTRUCTIONS FOR MEGAMAT

- 1** Prepare the excavation for the foundations and make the sub-foundation pit



- 3** Seal the joins between the panels carefully with Stik tape



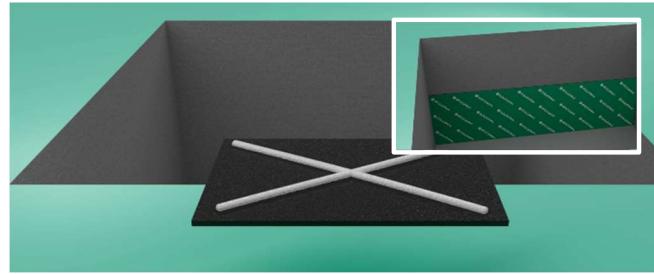
- 5** Seal the joins between the panels carefully with Stik tape



- 7** Prepare and position the reinforcing bars and cast the reinforced concrete foundation plinth



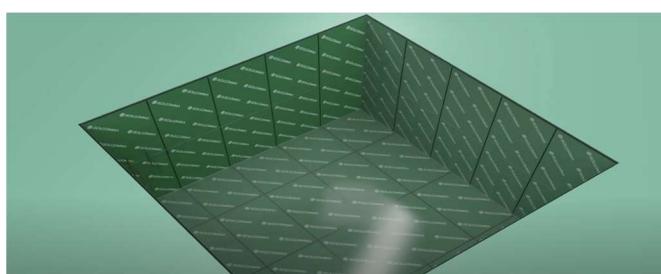
- 2** Glue the MEGAMAT panels along the pit walls, taking care to fit them together without leaving gaps or cavities along the joins



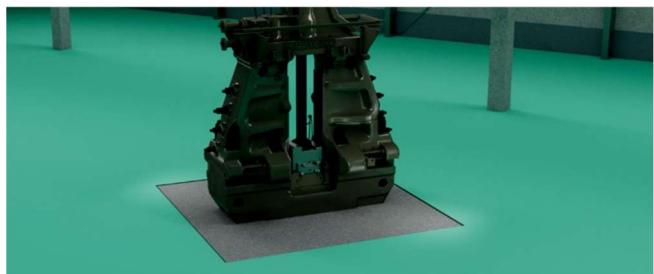
- 4** Lay the MEGAMAT panels on the bottom of the pit, taking care to fit them together without leaving gaps or cavities along the joins



- 6** Lay a waterproof protective sheet over the MEGAMAT



- 8** Conclude with the installation of the machinery



SEE THE REFERENCES > VISIT THE WEBSITE



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PRG-MOD. 15 - REV. 4.1 14/07/25 EN

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CONTACT THE TECHNICAL DEPARTMENT FOR MORE INFORMATION

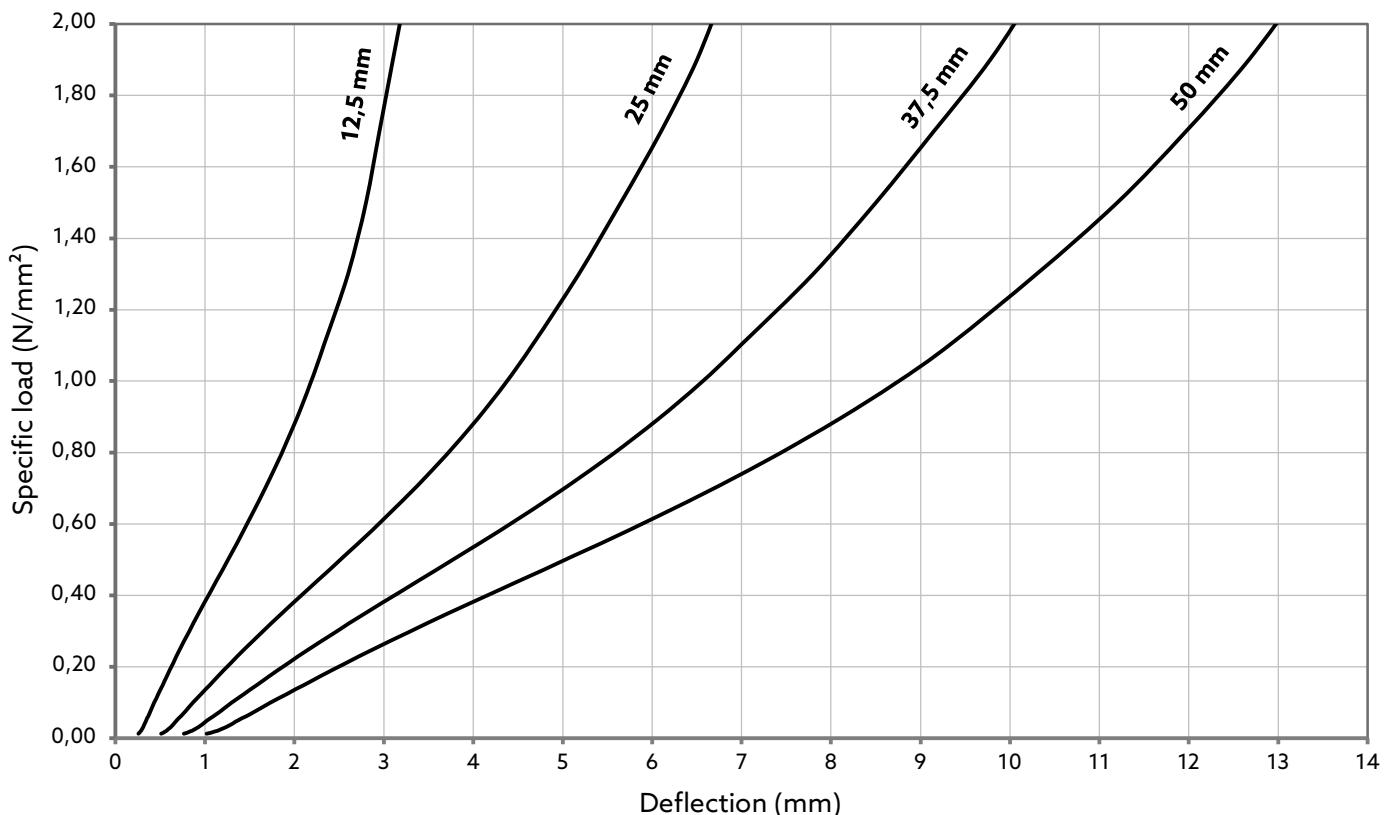
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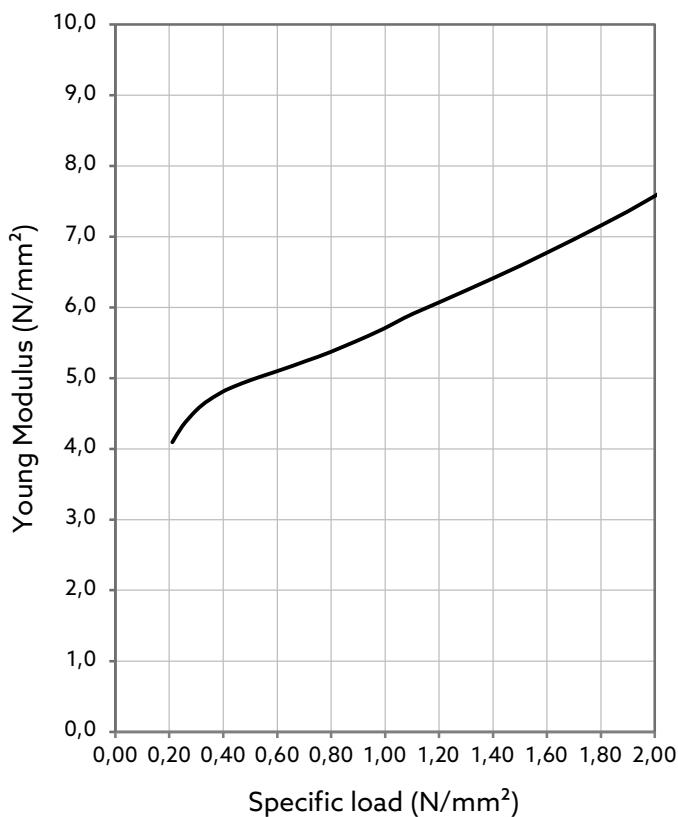
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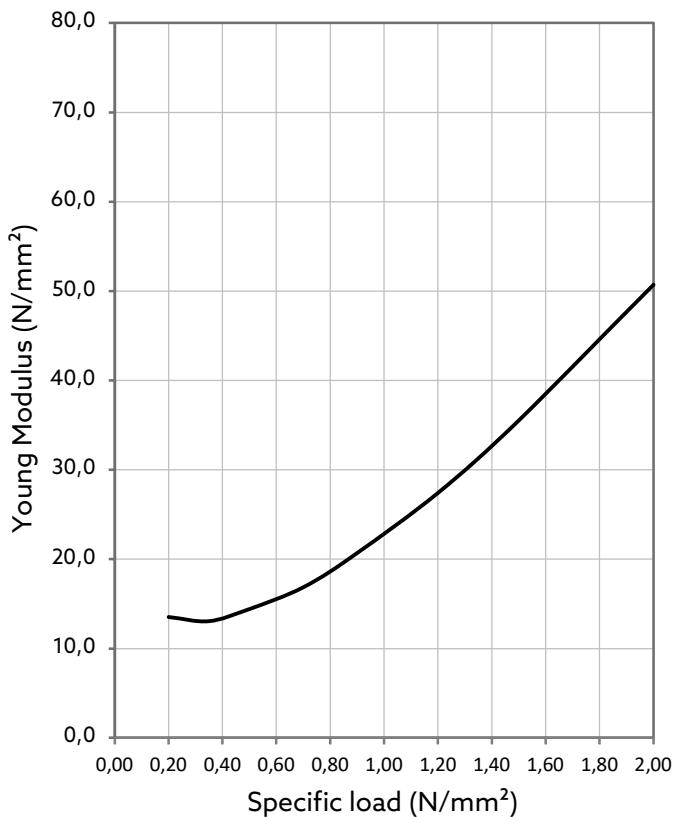
### ■ LOAD DEFLECTION CURVE



### ■ STATIC MODULUS OF ELASTICITY



### ■ DYNAMIC MODULUS OF ELASTICITY

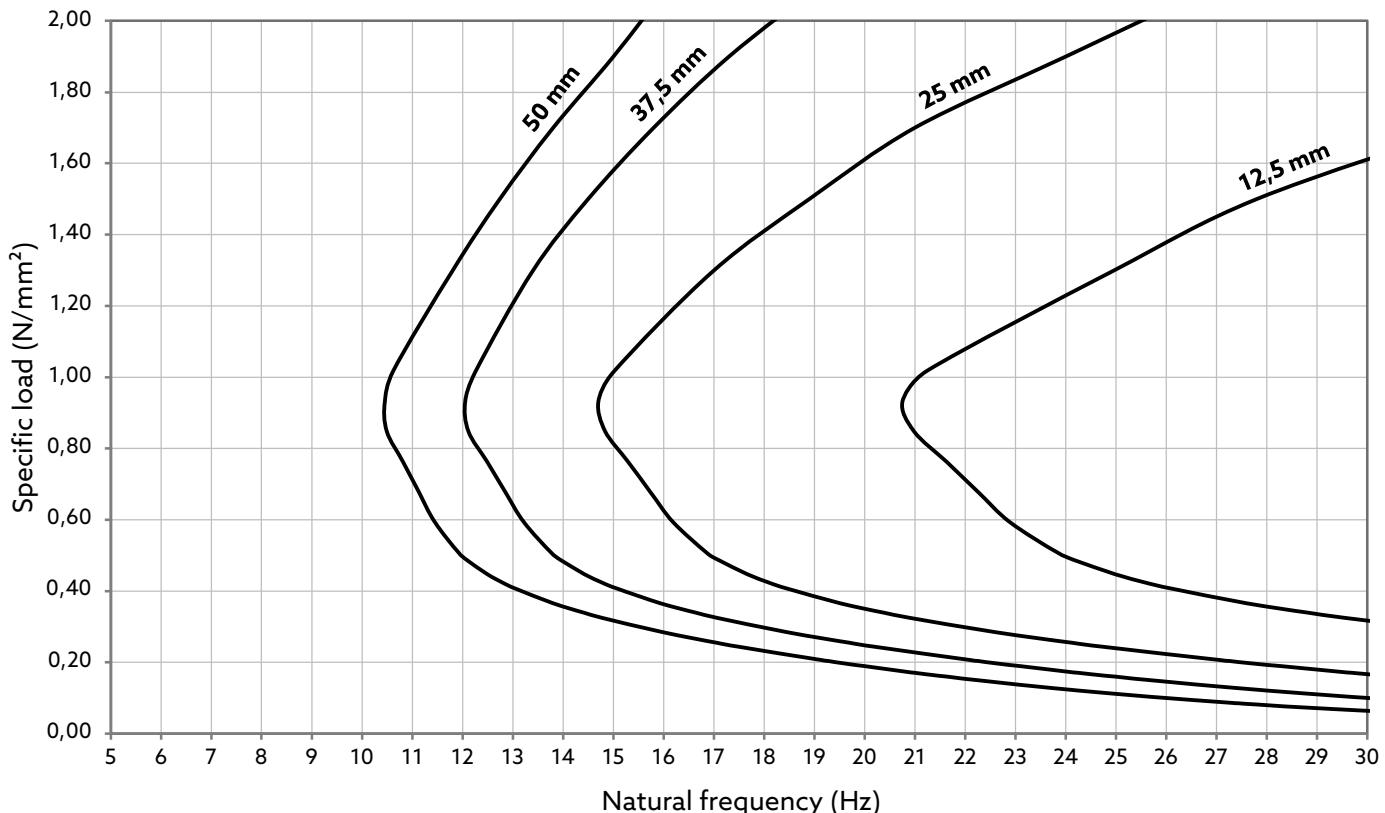


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### NATURAL FREQUENCY



### VIBRATION ISOLATION EFFICIENCY

