MEGAMAT 800
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 fybres 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 800 kg/m^3. Panels dimensions are m 1,20 lenght, m 0,80 width. To be used for static and dynamic loads up to 1,50 N/mm^2.

APPLICATION AREA

Application fields	Load	Deformation
Static	up to 0,30 N/mm^2	~ 10%
Static and Dynamic	up to 1,50 N/mm^2	~ 30%
Load peaks (short time)	up to 3,00 N/mm^2	~ 50%

TECHNICAL DATA

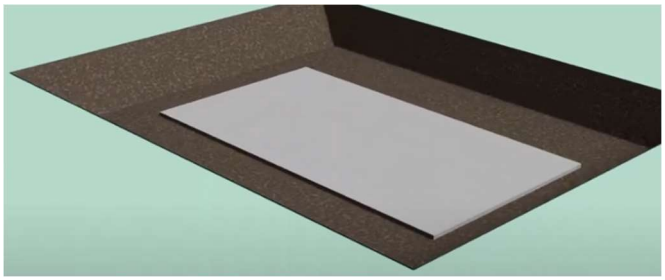
		Tolerance	Standard
Thickness	12,5 - 25 mm	± 2	
Length	1,20 m	± 2%	
Width	0,80 m	± 2%	
Density	800 kg/m^3	± 10%	
Stress at strain 10%	0,30 N/mm^2	± 10%	EN ISO 29470
Static Modulus of Elasticity (Es) - strain 10%	3,00 N/mm^2	± 10%	EN ISO 29470
Dynamic Modulus of Elasticity (Ed) - strain 10%	8,80 N/mm^2	± 10%	
Loss factor (η)	0,136	± 10%	
Thermal conductivity coefficient (λ)	0,090		EN 12668
Inflammability	E		EN 13501-2

ISOLGOMMA SILENCE MAKERS

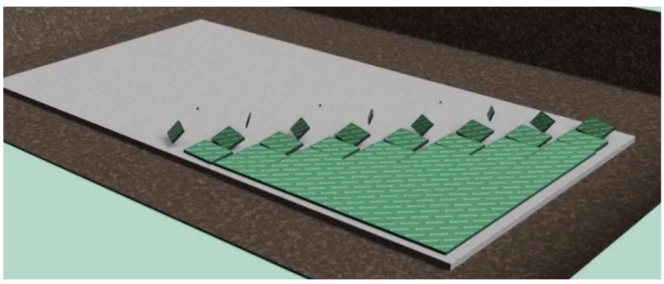
MEGAMAT 800
VIBRATION CONTROL

INSTALLATION INSTRUCTIONS FOR MEGAMAT

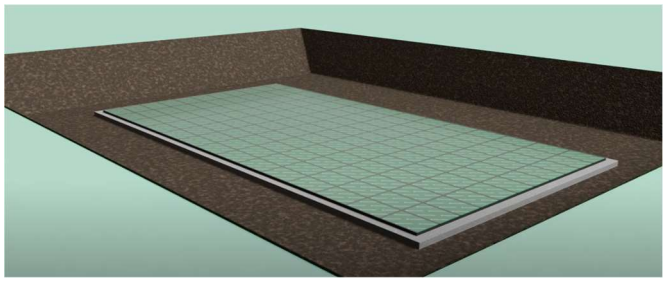
1 Prepare the excavation for the foundations and construct the sub-foundation



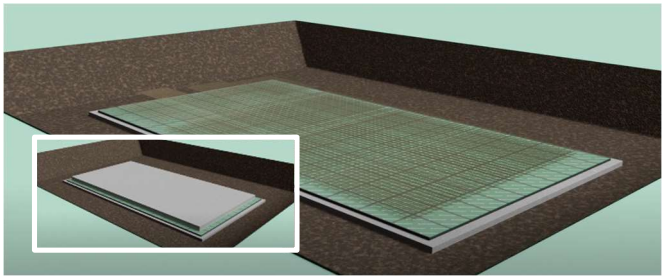
2 Lay the MEGAMAT panels on the sub-foundation, taking care to fit them together without leaving gaps or cavities along the joins



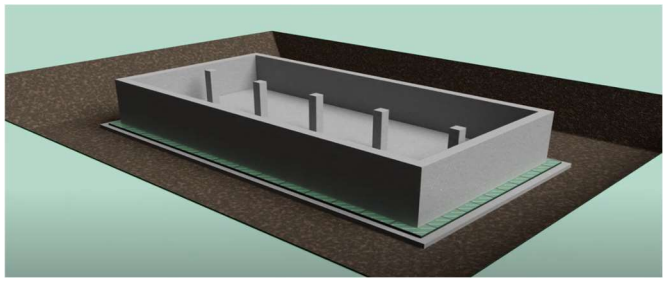
3 Seal the joins between the panels carefully with Stik tape and lay a waterproof protective sheet.



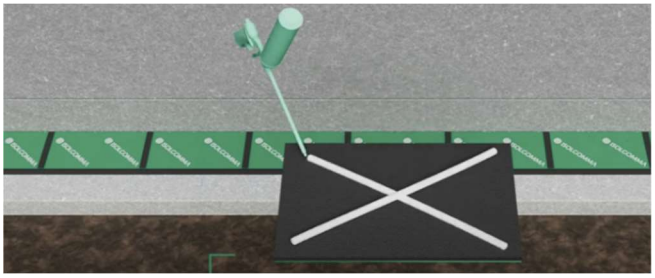
4 Prepare and position the formwork and reinforcing bars and construct the reinforced concrete foundation slab.



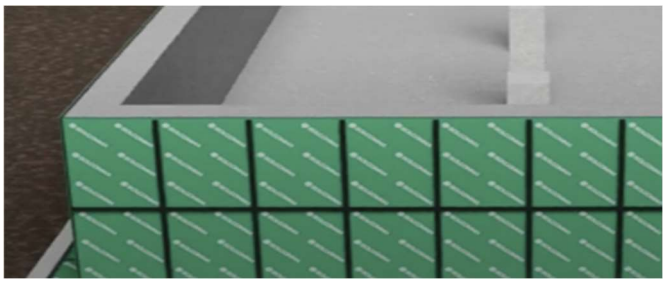
5 In the case of underground floors, construct the perimeter walls in reinforced concrete.



6 Glue the MEGAMAT panels along the perimeter walls, taking care to fit them together without leaving gaps or cavities along the joins



7 Seal the joins between the panels carefully with Stik tape



8 Complete construction of the building

SEE THE REFERENCES > VISIT THE WEBSITE

CONTACT THE TECHNICAL DEPARTMENT FOR MORE INFORMATION

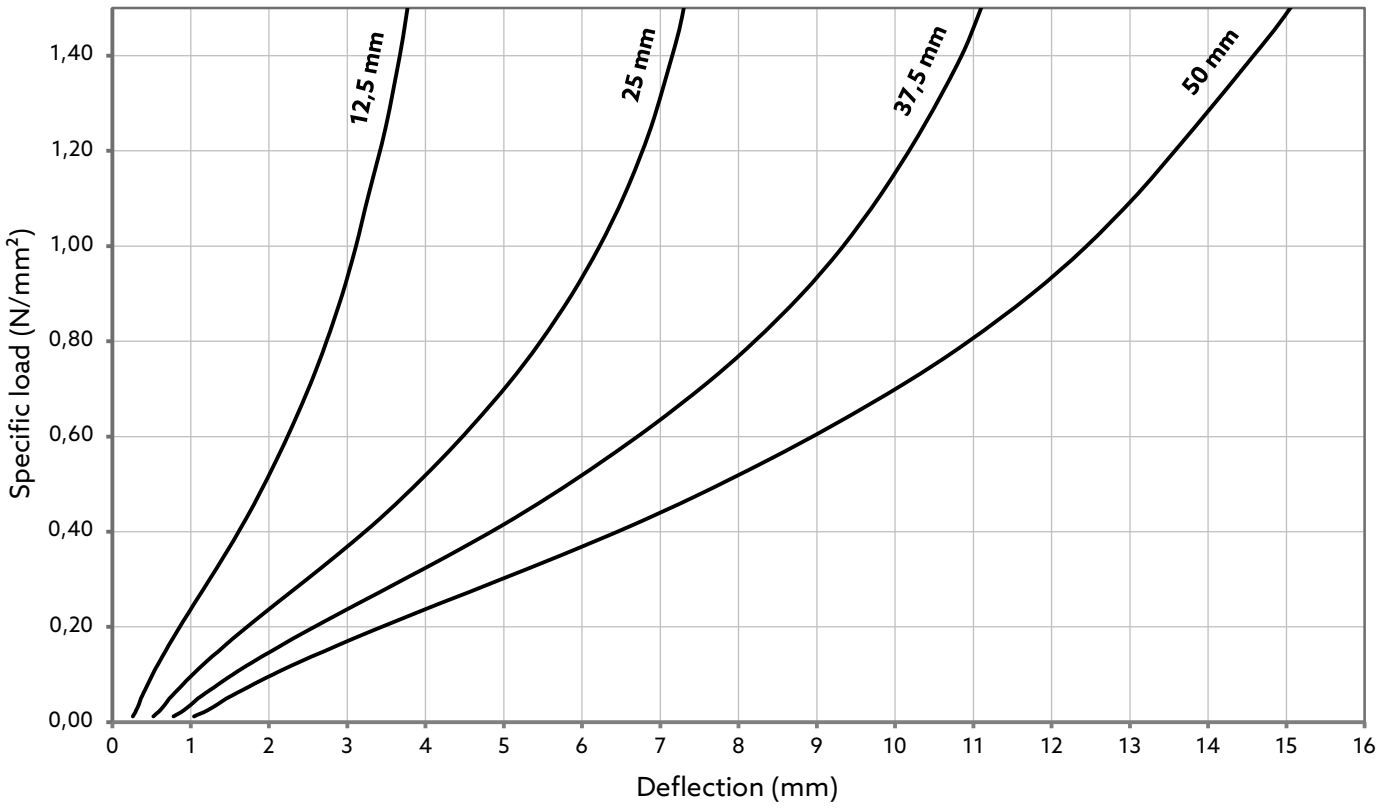
www.isolgomma.com
PRG-MOD. 15 - REV. 4.1 14/07/25 EN

ISOLGOMMA
SILENCE MAKERS

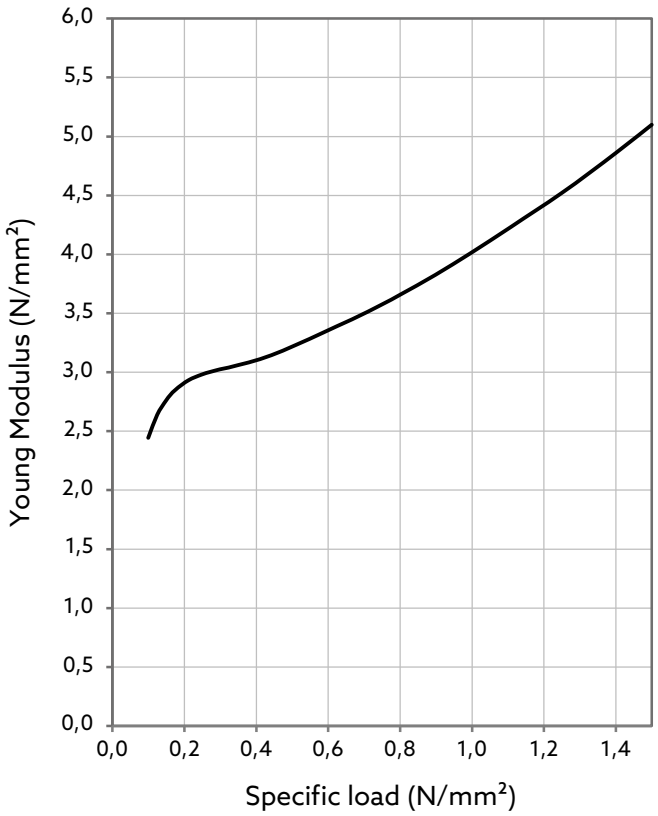
MEGAMAT 800
VIBRATION CONTROL

VIBRATION CONTROL

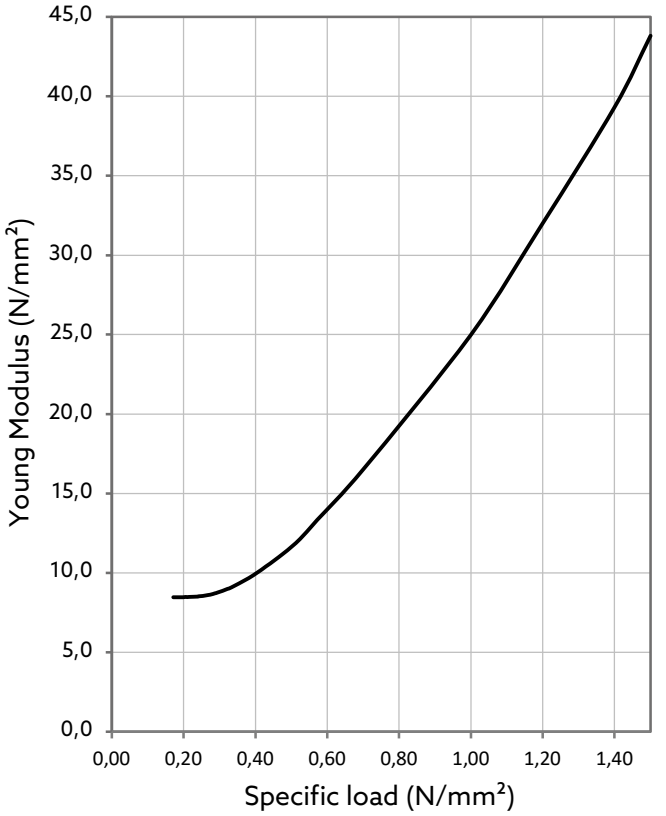
LOAD DEFLECTION CURVE



STATIC MODULUS OF ELASTICITY



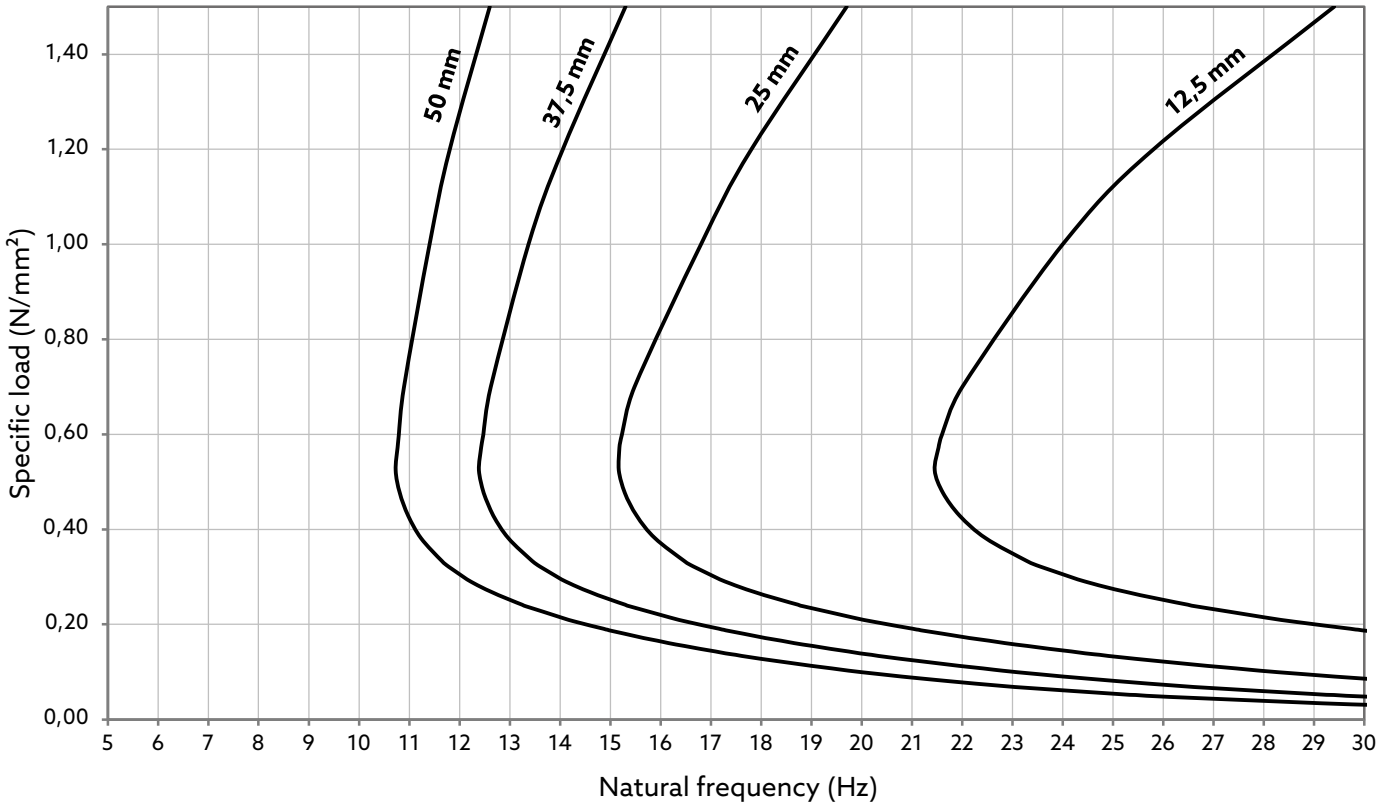
DYNAMIC MODULUS OF ELASTICITY



ISOLGOMMA
SILENCE MAKERS

MEGAMAT 800
VIBRATION CONTROL

NATURAL FREQUENCY



VIBRATION ISOLATION EFFICIENCY