



SOGO

RUBBER TECHNICAL PRODUCTS

— SINCE 1967 —



Dear Reader,

in a historical moment in which Italian manufacturing companies are often compelled to look beyond their national borders to manage their production activities, SOGO stands out for being a partner capable of maintaining a supply chain structure totally made in Italy, combining creativity, tradition and efficiency that turn into a single contact partner for its own customer.

This entrepreneurial choice makes it possible to use alternative technical solutions and create cutting-edge products capable of responding to the increasingly selective requirements of the railway and tramway sectors.

In the following pages you can see in detail the items of our expanded rubber production activity; namely products completely made in Italy and 100% certified aimed at creating new value and allowing the achievement of performance objectives towards which we are deeply oriented, in order to find the best solution to satisfy all the needs of our customers.

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Sogo Spa technical office is at your complete disposal for further information and details on products and construction systems.



SOGOLAB

FREE TO SHAPE — SINCE 1967 —

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SOGO S.p.A. is a consolidated manufacturing company, leader in Europe, focused since 1967 in the field of design, production and distribution of technical products made of rubber, expanded rubber as well as anti-vibration components.

The uniqueness of the company is its capability of producing parts designed on the indication and drawing of the customers or on co-design, supporting the customer from the initial stages of the project in order to achieve a qualitatively perfect final product in the most total compliance with the original application requirements.



ABOUT US





Our company's ability to deal with the market needs in a competitive manner is closely linked to the efficiency of our organizational structure and the ability to adapt to the continuous evolutions of the sector in which we operate.

QUALITY AND CERTIFICATIONS



RATING LEGALITA'



IATF 16949:2016



ISO 9001:2015

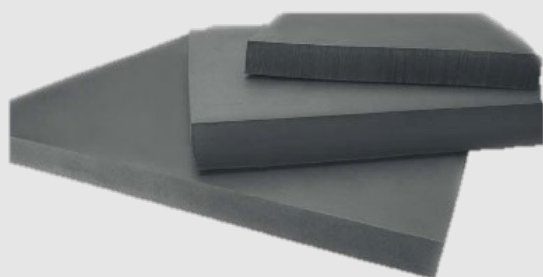


ISO 14001:2015

RAILWAY



ZEUS-5615



MATERIAL

ZEUS-5615 is the special rail pad made of 15 mm thick panels composed of an EPDM-based elastomeric compound. Covered in puncture-proof non-woven fabric on one of the two surfaces.

APPLICATION FIELDS

Railway superstructure.
It is used as an anti-vibration solution for under ballast applications.
Zeus 5615 is a rail pad with high vibration insulation capabilities and high mitigation performance.

ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.
They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics.
The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer

Width	1150 ± 5 % mm
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Length	1700 ± 5 % mm
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Thickness	15,5 ± 2 mm
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Stiffness C_{stat}	0,050 N/mm ³
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Density	500 ± 50 Kg/m ³
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Hardness	60-80 sh00
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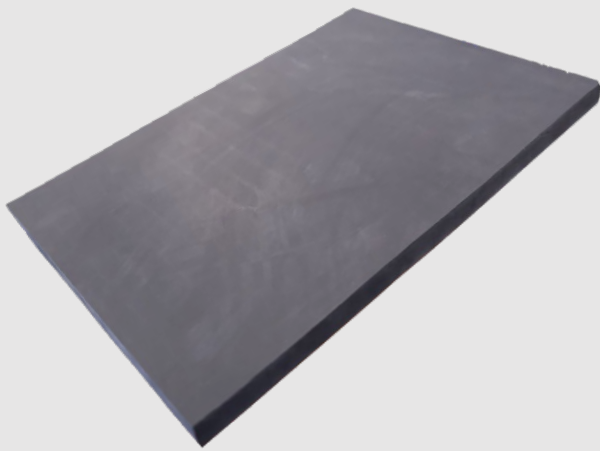
*Fire safety class 2 Ministerial Decree
June 26, 1984*



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



APOLLO-568-S



MATERIAL

APOLLO 568-S is the special rail pad deriving from the ZEUS 5615 version and is made of 8 mm thick panels.

It is composed of a special EPDM-based elastomeric compound.

It can be covered in puncture-proof non-woven fabric on one of the two surfaces.

APPLICATION FIELDS

Railway superstructure

It is used as an anti-vibration solution for vertical applications.

APOLLO 568-S is a rail pad with high vibration insulation capabilities and high mitigation performance

Width 1150 ± 5 % mm

Length 1700 ± 5 % mm

Thickness 8,0 ± 1,5 mm

Stiffness C_{stat} 0,10 N/mm³

Density 500 ± 50 Kg/m³

Hardness 60-80 sh00

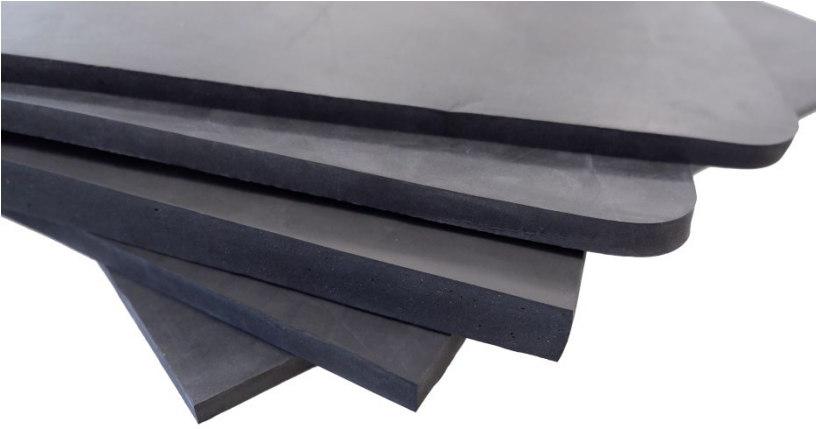
*Fire safety class 2 Ministerial Decree
June 26, 1984*

ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.

They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics.

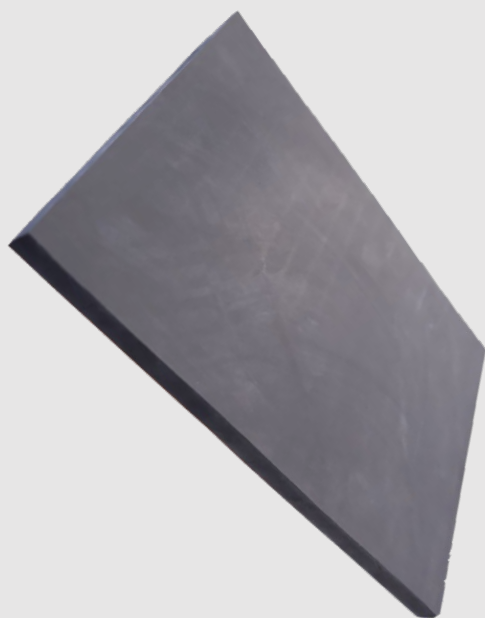
The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



ESTIA-6620



Width 1000 ± 5 % mm

Length 1700 ± 5 %mm

Thickness 20 ±2 mm

Stiffness C_{stat} 0,37 N/mm³

Density 600 ± 50 Kg/m³

Hardness 60-80 sh00

*Fire safety class 2 Ministerial Decree
June 26, 1984*

MATERIAL

ESTIA 6620 is the special rail pad made of 20 mm thick panels.

It is composed of a special EPDM-based elastomeric compound.

It can be covered in puncture-proof non-woven fabric on one of the two surfaces.

APPLICATION FIELDS

Railway superstructure

It is used as an anti-vibration solution for ballast applications.

ESTIA 6620 is a mat with high vibration isolation capabilities and high mitigation performance.

ADDITIONAL DATA

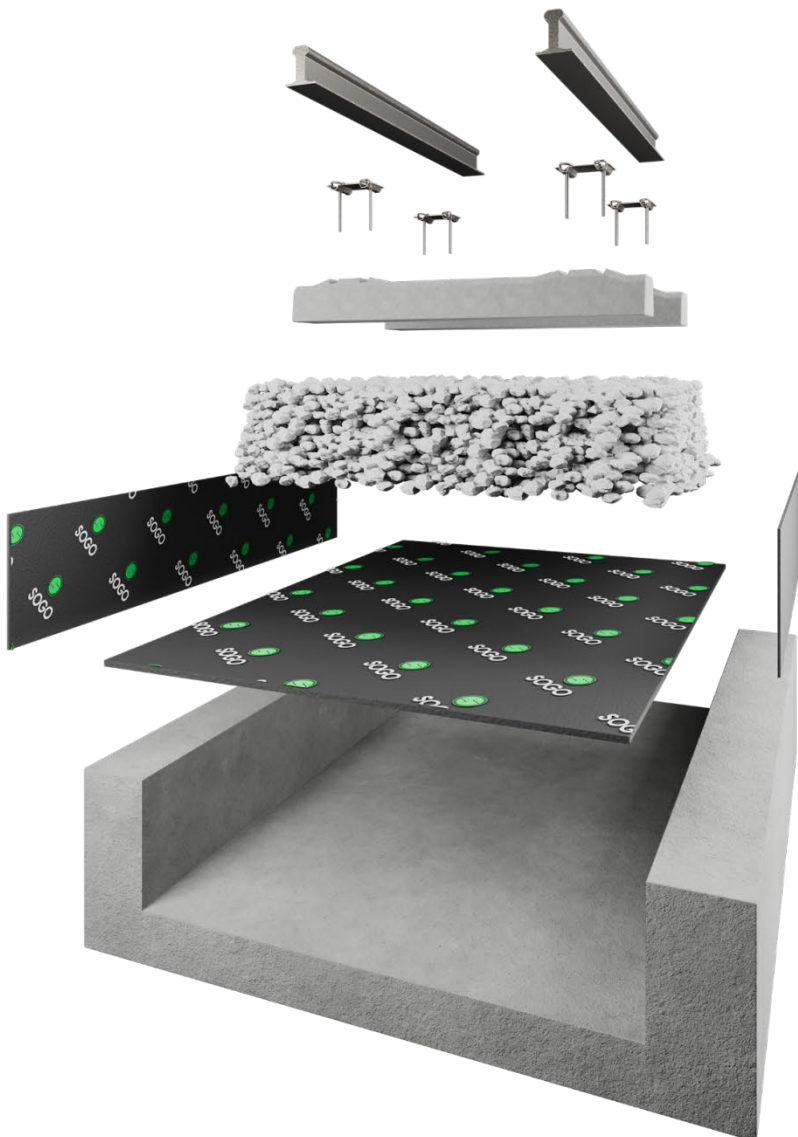
Its main characteristic is to mitigate vibrations and noise.

They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics.

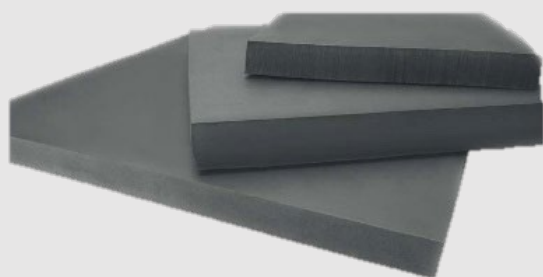
The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



ERA-566-S



Width	1150 ± 5 % mm
Length	1700 ± 5 % mm
Thickness	6,0 ± 1,5 mm
Stiffness C_{stat}	0,12 N/mm ³
Density	500 ± 50 Kg/m ³
Hardness	60-80 sh00

*Fire safety class 2 Ministerial Decree
June 26, 1984*

MATERIAL

ERA 566-S is the special rail pad deriving from the ZEUS 5615 version and is made of 6 mm thick panels.

It is composed of a special EPDM-based elastomeric compound.

It can be covered in puncture-proof non-woven fabric on one of the two surfaces

APPLICATION FIELDS

Tramway and railway superstructures

It is used as an anti-vibration solution for vertical applications.

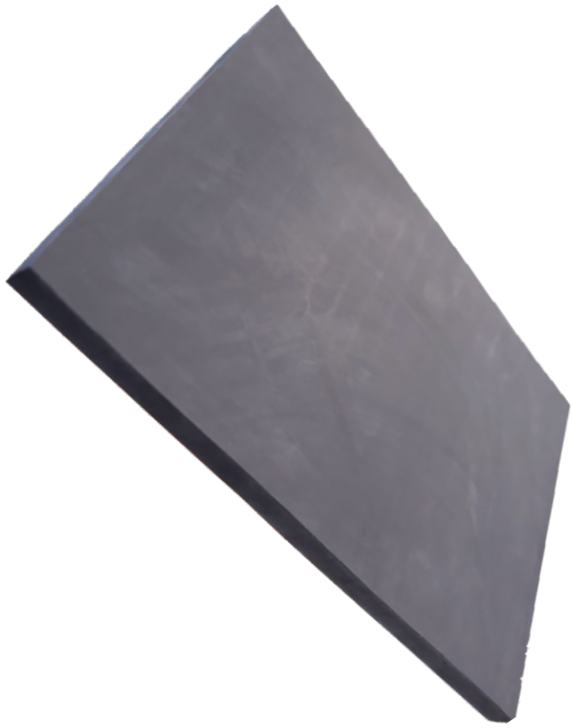
ERA 566-S is a pad with high vibration insulation capabilities and high mitigation performance.

ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.

They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics.

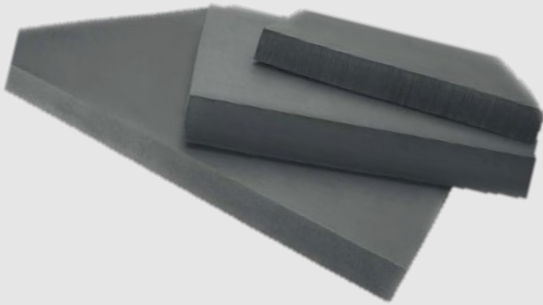
The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



EFESTO-5612-S



MATERIAL

EFESTO 5612-S EFESTO 5612-S is the special rail pad deriving from the ZEUS 5615 version and is made of 12 mm thick panels. It is composed of a special EPDM-based elastomeric compound. It can be covered in puncture-proof non-woven fabric on one of the two surfaces.

APPLICATION FIELDS

Railway superstructure

It is used as an anti-vibration solution for vertical applications and on specific request also for horizontal applications. EFESTO 5612-S is a rail pad with high vibration insulation capabilities and high mitigation performance.

Width 1150 ± 5 % mm

Length 1700 ± 5 % mm

Thickness 12 ± 1,5 mm

Stiffness C_{stat} 0,07 N/mm³

Density 500 ± 50 Kg/m³

Hardness 60-70 sh00

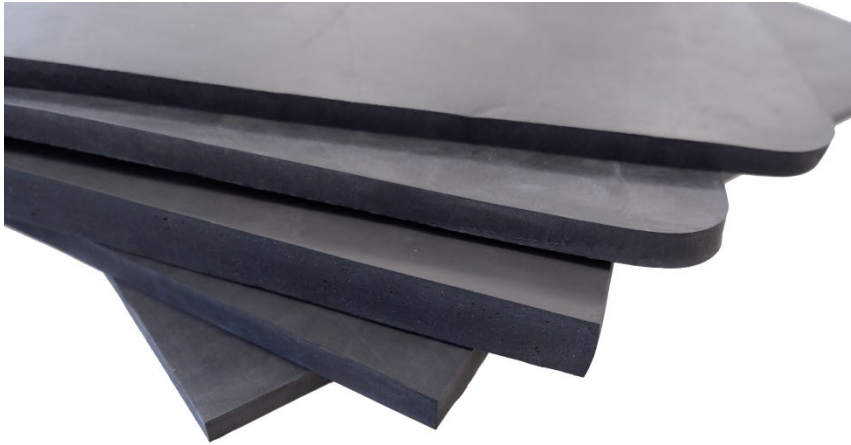
Fire safety class 2 Ministerial Decree June 26, 1984

ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.

They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics.

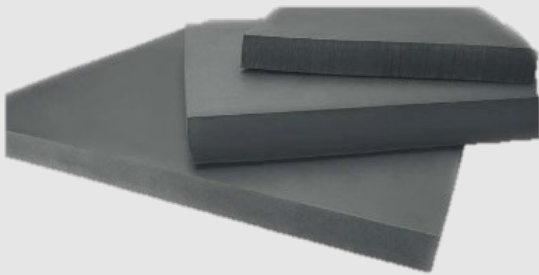
The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder



ENE A-7710



Width	750 ± 5 % mm
Length	1450 ± 5 % mm
Thickness	10 ± 1 mm
Density	700 ± 100 Kg/m ³
Hardness	70-80 sh00

*Fire safety class 2 Ministerial Decree
June 26, 1984*

MATERIAL

ENE A 7710 is the special rail pad made of 10 mm thick panels.

It is composed of a special EPDM-based elastomeric compound with a semi-compact structure.

It can be covered in puncture-proof non-woven fabric on one of the two surfaces

APPLICATION FIELDS

Railway superstructure

It is used as an anti-vibration solution for under-ballast and under railroad tie applications.

ENE A 7720 is a mat with moderate vibration insulation capabilities and high mitigation performance

ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.

They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics.

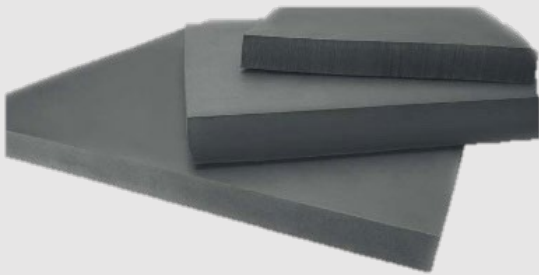
The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder



ACHILLE-5612



MATERIAL

ACHILLE 5612 is the special pad deriving from the ZEUS 5615 version and is made of 12 mm thick panels.

It is composed of a special EPDM-based elastomeric compound.

It can be covered in puncture-proof non-woven fabric on one of the two surfaces.

APPLICATION FIELDS

Railway superstructure

It is used as an anti-vibration solution for vertical applications and on specific request also for horizontal applications

ACHILLE 5612 is a mat with high vibration isolation capabilities and high mitigation performance.

Width 1150 ± 5 % mm

Length 1700 ± 5 % mm

Thickness 12 + 1,5/-1 mm

Stiffness C_{stat} 0,07 N/mm³

Density 500 ± 50 Kg/m³

Hardness 60-80 sh00

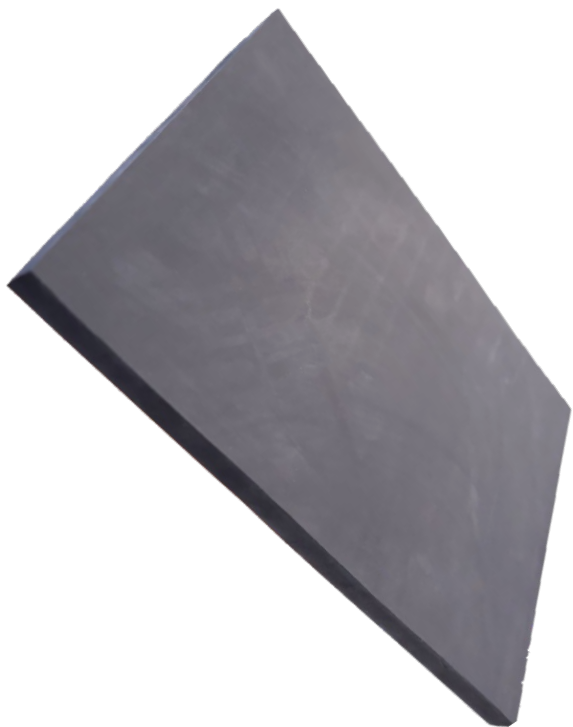
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June 26, 1984*

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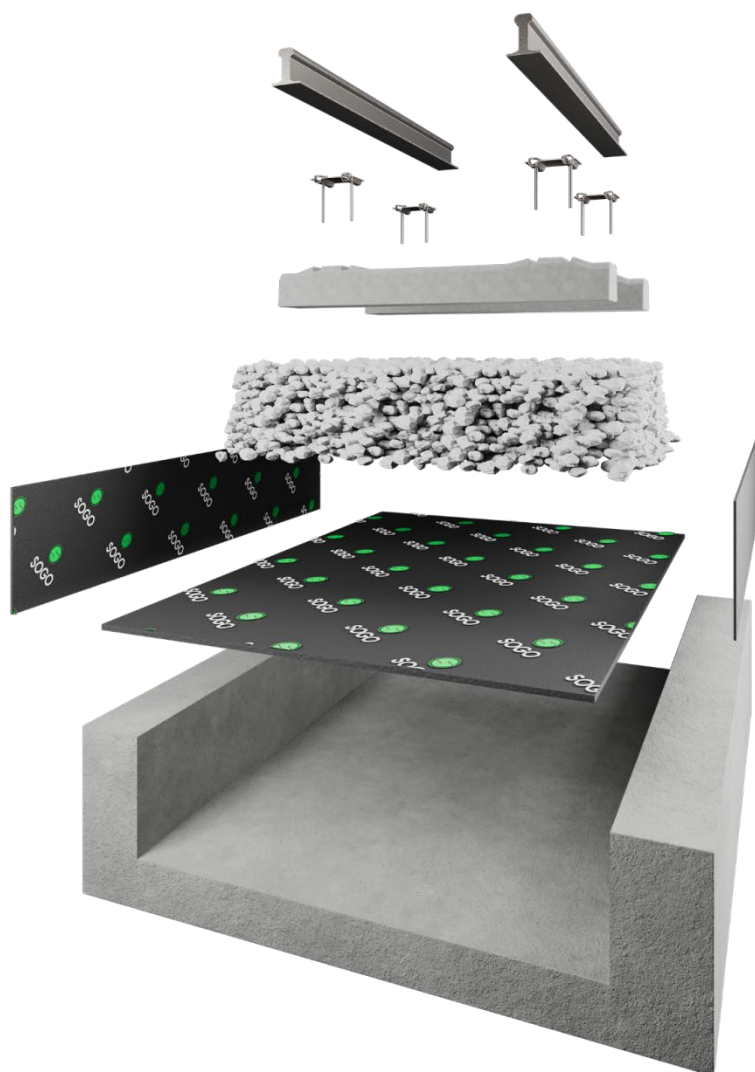
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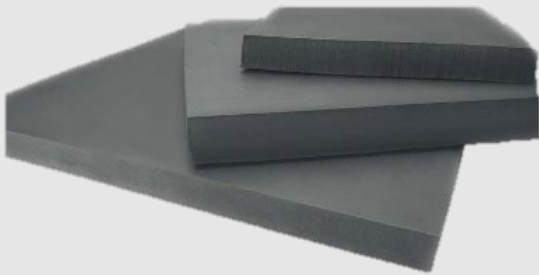
The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



LOKI-1812



MATERIAL

LOKI 1812 is the special mat made of 12 mm thick panels.

It is composed of a special EPDM-based elastomeric compound with a semi-compact structure.

It can be covered in puncture-proof non-woven fabric on one of the two surfaces.

APPLICATION FIELDS

Railway superstructure

It is used as an anti-vibration solution for vertical applications and on specific request also for horizontal applications

LOKI-1812 is a mat with high vibration isolation capabilities with high mitigation performance.

Width	750 ± 5 % mm
Length	1450 ± 5 % mm
Thickness	12 ± 1 mm
Density	900 ± 100 Kg/m ³
Hardness	90 ± 5 sh00

ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.

They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics.

The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.

*Fire safety class 2 Ministerial Decree
June 26, 1984*



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.

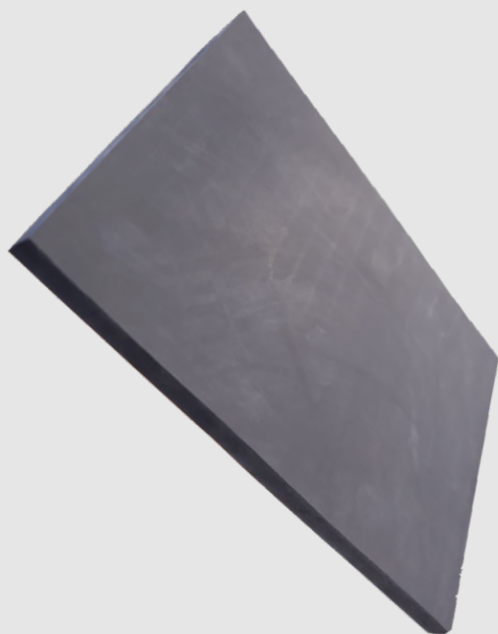


TRAMWAY & METRO





ARES-25420



MATERIAL

ARES 25420 is the special mat made of 20 mm thick panels.

It is composed of a special EPDM-based elastomeric compound with a closed cell structure.

It can be covered in puncture-proof non-woven fabric on one of the two surfaces, extending the duration of the superstructure system.

APPLICATION FIELDS

Tramway and metro superstructure

It is used as a solution for vibration isolation in railway, tramway and subway superstructures.

ARES 25420 is a mat with high vibration isolation capabilities and high mitigation performance.

It can be used in different types of applications and is preferably applied for Under Ballast and Under Slab solutions.

Width 1150 ± 5% mm

Length 1700 ± 5% mm

Thickness 20 ± 2 mm

Stiffness C_{stat} > 0,015 N/mm³

Density 250 ± 50 Kg/m³

Hardness 40-50 sh00

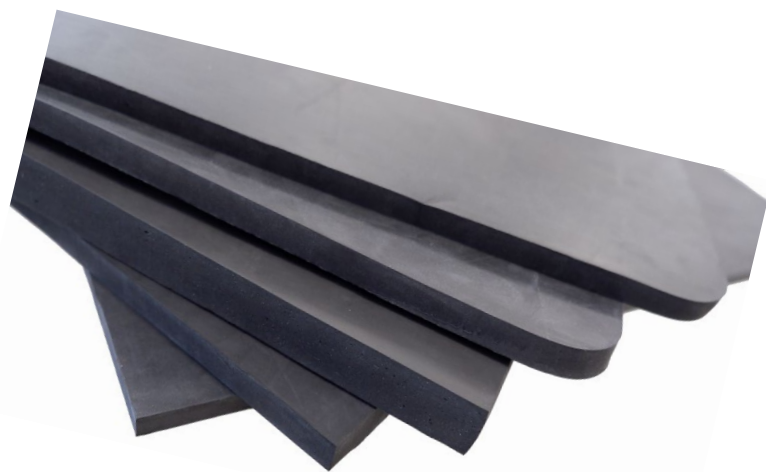
*Fire safety class 2 Ministerial Decree
June 26, 1984*

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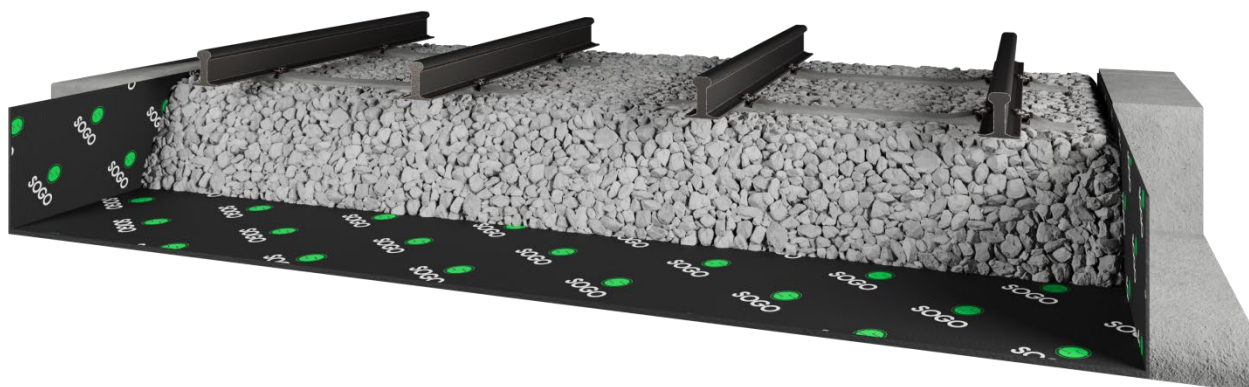
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They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics.

The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder



ULISSE-EP35525



MATERIAL

ULISSE EP35525 is the special mat made of 25 mm thick panels. It is composed of a special EPDM-based elastomeric compound with a closed cell structure. It can be covered in puncture-proof non-woven fabric on one of the two surfaces, extending the duration of the superstructure system.

APPLICATION FIELDS

Tramway and metro superstructure

It is used as a solution for vibration isolation in railway, tramway and subway superstructures.

ULISSE EP35525 is a mat with high vibration isolation capabilities and high mitigation performance.

It can be used in different types of applications and is preferably applied for Under Ballast and Under Slab solutions.

Width 1180 ± 5% mm

Length 2000 ± 5% mm

Thickness 25 ± 1,5 mm

Stiffness C_{stat} 0,02 N/mm³

Density 300 ± 50 Kg/m³

Hardness 55 sh00

*Fire safety class 3 Ministerial Decree
June 26, 1984*

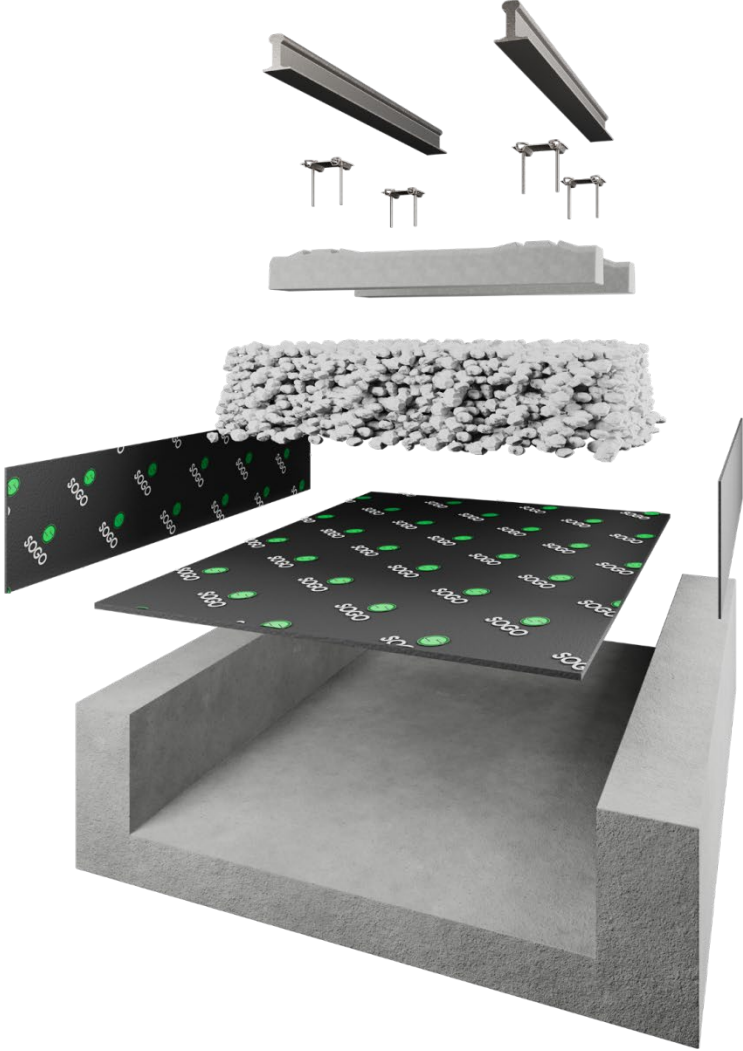
ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.

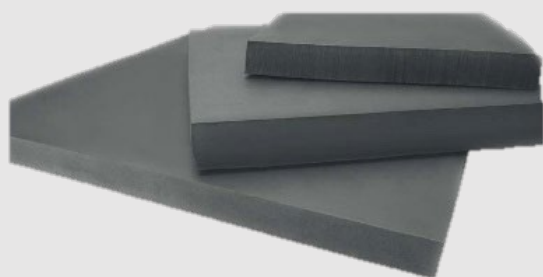
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On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder



AMILCARE- EP45525



MATERIAL

AMILCARE EP45525 is the special mat made of 20 mm thick panels. It is composed of a special EPDM-based elastomeric compound with a closed cell structure. It can be covered in puncture-proof non-woven fabric on one of the two surfaces, extending the duration of the superstructure system.

APPLICATION FIELDS

Tramway and metro superstructure
It is used as a solution for vibration isolation in railway, tramway and subway superstructures. AMILCARE EP45525 is a mat with high vibration isolation capabilities and high mitigation performance. It can be used in different types of applications and is preferably applied for Under Ballast and Under Slab solutions.

ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.
They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics. The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.

Width	1000 ± 5% mm
Length	1900 ± 5% mm
Thickness	21 ± 2 mm
Stiffness C_{stat}	0,04 N/mm ³
Density	450 ± 50 Kg/m ³
Hardness	55-60 sh00

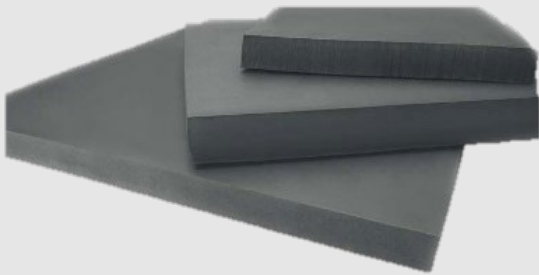
*Fire safety class 3 Ministerial Decree
June 26, 1984*



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



ETTORE-35515



MATERIAL

ETTORE 35515 is the special mat made of 15 mm thick panels. It is composed of a special EPDM-based elastomeric compound with a closed cell structure. It can be covered in puncture-proof non-woven fabric on one of the two surfaces, extending the duration of the superstructure system.

APPLICATION FIELDS

Tramway and metro superstructure

It is used as a solution for vibration isolation in railway, tramway and subway superstructures.

ETTORE 35515 is a mat with high vibration isolation capabilities and high mitigation performance.

It can be used in different types of applications and is preferably applied for Under Ballast and Under Slab solutions.

Width	1050 ± 5% mm
Length	2500 ± 5% mm
Thickness	15 ± 2 mm
Stiffness C_{stat}	0,02 N/mm ³
Density	350 ± 50 Kg/m ³
Hardness	55 ± 10 sh00

*Fire safety class 3 Ministerial Decree
June 26, 1984*

ADDITIONAL DATA

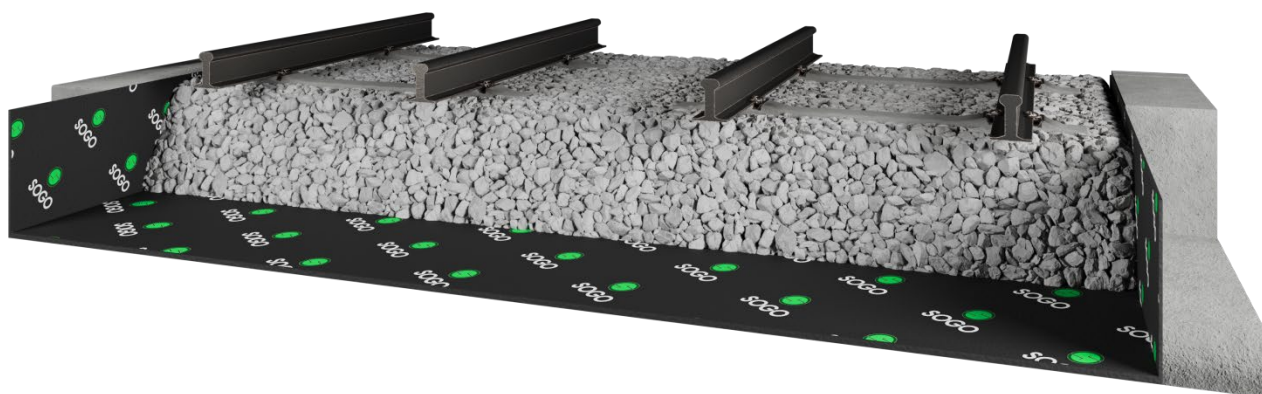
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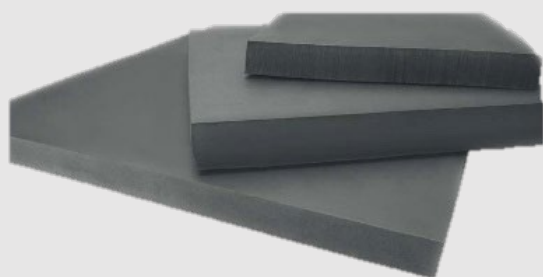
The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



ARIS-25520



MATERIAL

ARIS 25520 is the special mat made of 20 mm thick panels.

It is composed of a special EPDM-based elastomeric compound with a closed cell structure.

It can be covered in puncture-proof non-woven fabric on one of the two surfaces, extending the duration of the superstructure system.

APPLICATION FIELDS

Tramway and metro superstructure

It is used as a solution for vibration isolation in railway, tramway and subway superstructures.

ARIS 25520 is a mat with high vibration isolation capabilities and high mitigation performance.

It can be used in different types of applications and is preferably applied for Under Ballast and Under Slab solutions.

Width 1000 ± 5% mm

Length 1700 ± 5% mm

Thickness 20 ± 2 mm

Stiffness C_{stat} 0,015 N/mm³

Density 250 ± 50 Kg/m³

Hardness 50-60 sh00

*Fire safety class 2 Ministerial Decree
June 26, 1984*

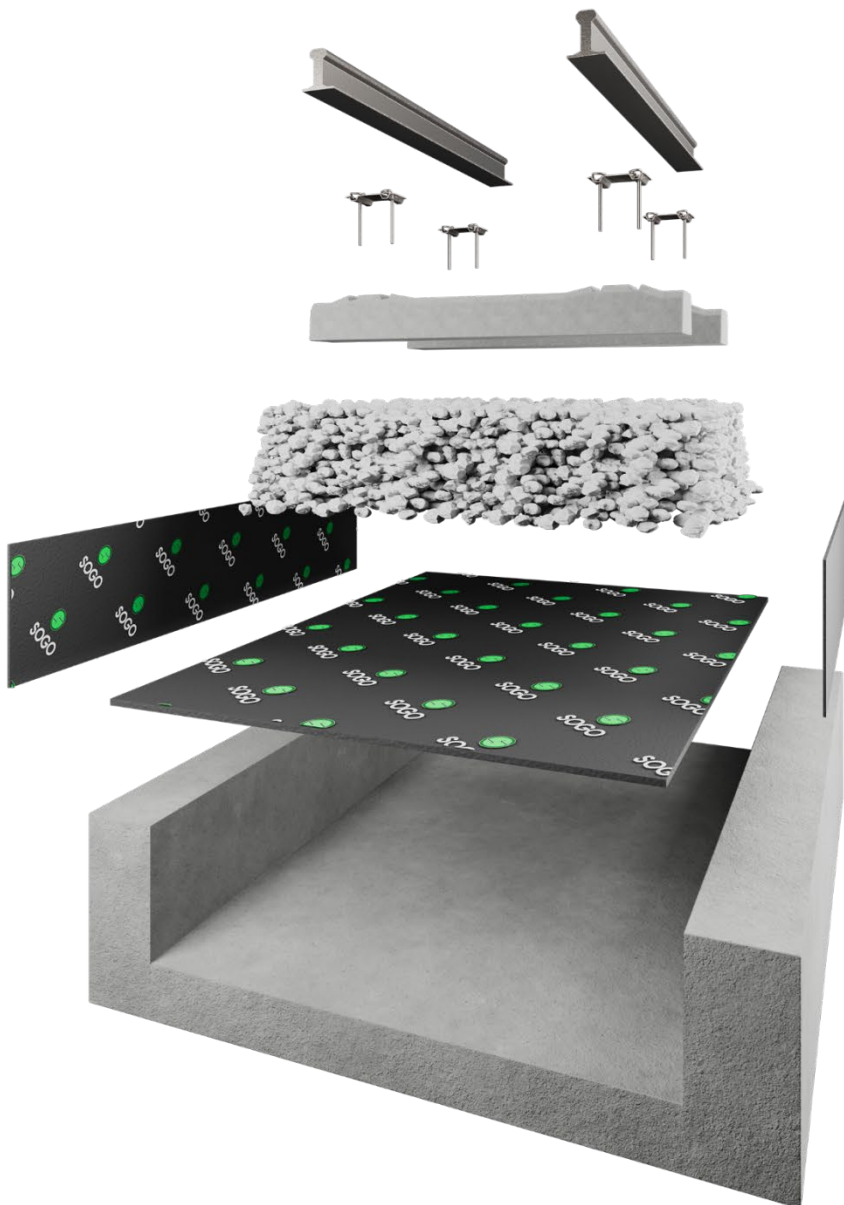
ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.

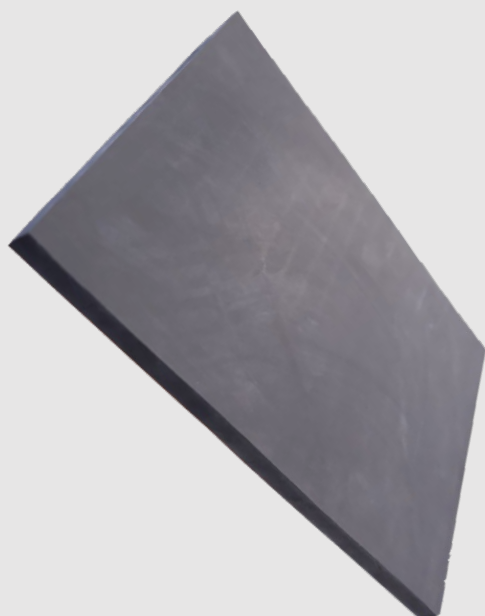
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On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



ODINO-35520



MATERIAL

ODINO 35520 is the special mat made of 20 mm thick panels.

It is composed of a special NEOPRENE-based elastomeric compound with a closed cell structure. It can be covered in puncture-proof non-woven fabric on one of the two surfaces, extending the duration of the superstructure system.

APPLICATION FIELDS

Tramway and metro superstructure

It is used as a solution for vibration isolation in railway, tramway and subway superstructures. ODINO 35520 is a mat with high vibration isolation capabilities and high mitigation performance. It combines excellent elastic characteristics with notable fatigue resistance, even in contact with grease and mineral oils. It can be used in different types of applications and is preferably applied for Under Ballast and Under Slab solutions

Width	1000 ± 5% mm
Length	1700 ± 5% mm
Thickness	20 ± 2 mm
Stiffness C_{stat}	0,03 N/mm ³
Density	350 ± 50 Kg/m ³
Hardness	50-60 sh00

*Fire safety class 1 Ministerial Decree
June 26, 1984*

ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.

They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics.

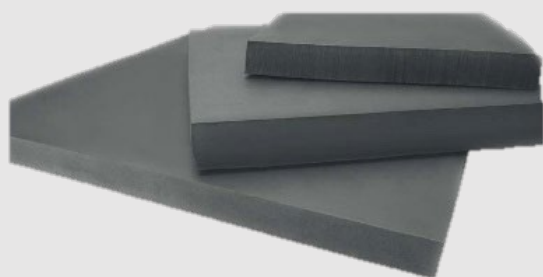
The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



MARTIS-35525



MATERIAL

MARTIS 35525 is the special mat, in the soft version, made of 25 mm thick panels. It is composed of a special NEOPRENE-based elastomeric compound with a closed cell structure. It can be covered in puncture-proof non-woven fabric on one of the two surfaces, extending the duration of the superstructure system.

APPLICATION FIELDS

Tramway and metro superstructure
It is used as a solution for vibration isolation in railway, tramway and subway superstructures. MARTIS 35525 is a mat with high vibration isolation capabilities and high mitigation performance. It combines excellent elastic characteristics with notable fatigue resistance, even in contact with grease and mineral oils. It can be used in different types of applications and is preferably applied for Under Ballast and Under Slab solutions.

Width 1400 ± 5% mm

Length 2300 ± 5% mm

Thickness 25 ± 10 % mm

Stiffness C_{stat} 0,005 N/mm³

Density 130 ± 50 Kg/m³

Hardness 40 sh00

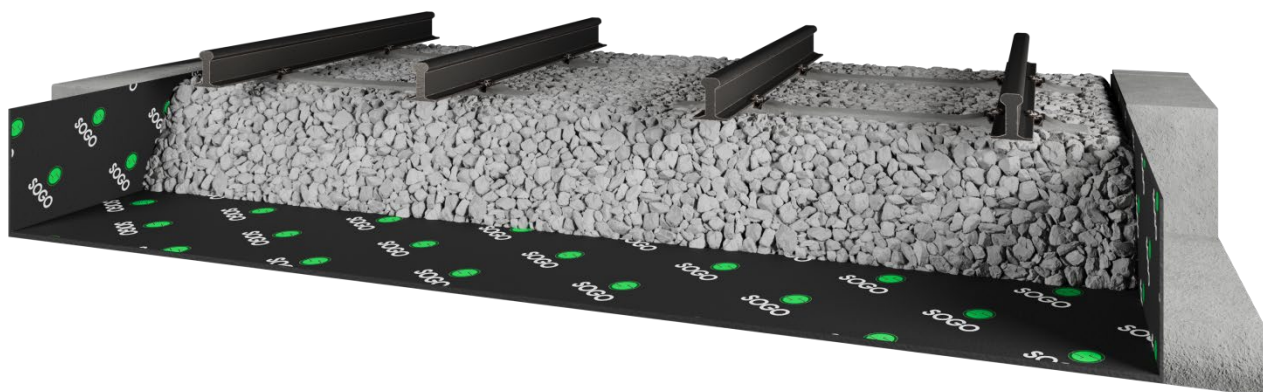
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ADDITIONAL DATA

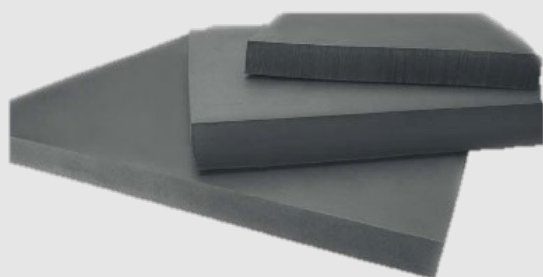
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On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



ELIAS-35525 ITA



MATERIAL

ELIAS 35525 is the special mat, in the soft version, made of 15 mm thick panels.

It is composed of a special NEOPRENE-based elastomeric compound with a closed cell structure. It can be covered in puncture-proof non-woven fabric on one of the two surfaces, extending the duration of the superstructure system.

APPLICATION FIELDS

Tramway and metro superstructure

It is used as a solution for vibration isolation in railway, tramway and subway superstructures. ELIAS 35525 is a mat with high vibration isolation capabilities and high mitigation performance. It combines excellent elastic characteristics with notable fatigue resistance, even in contact with grease and mineral oils. It can be used in different types of applications and is preferably applied for Under Ballast and Under Slab solutions.

Width	1400 ± 5% mm
Length	2300 ± 5% mm
Thickness	15-30-40 ± 2 mm
Stiffness C_{stat}	0,012 N/mm ³
Density	130 ± 50 Kg/m ³
Hardness	25-30 sh00

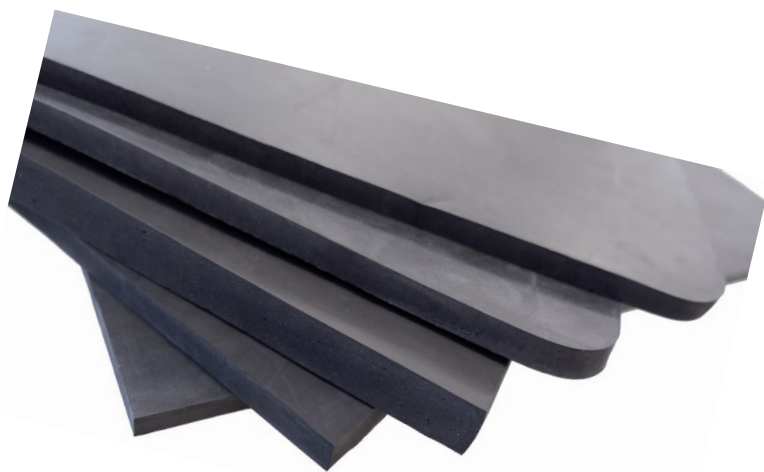
ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.

They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics.

The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.

*Fire safety class 1 Ministerial Decree
June 26, 1984*

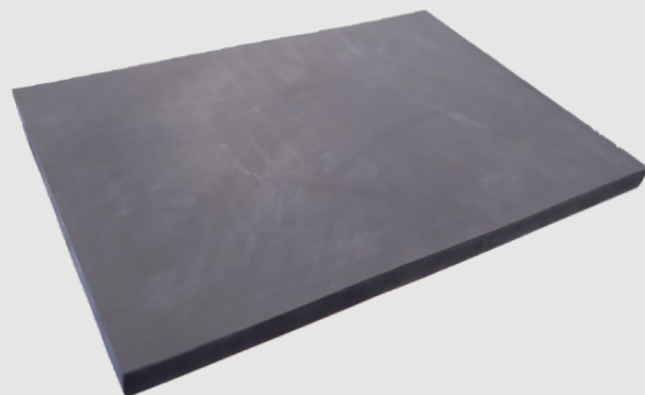


On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



OMERO-35525-1

ITA



Width	1400± 5% mm
Length	2300 ± 5% mm
Thickness	25 ±10 % mm
Stiffness C_{stat}	0,005 N/mm ³
Density	130 ± 50 Kg/m ³
Hardness	40 sh00

*Fire safety class 1 Ministerial Decree
June 26, 1984*

MATERIAL

OMERO 35525-1 is the special mat, in the soft version, made of 25 mm thick panels.

It is composed of a special NEOPRENE-based elastomeric compound with a closed cell structure. It can be covered in puncture-proof non-woven fabric on one of the two surfaces, extending the duration of the superstructure system.

APPLICATION FIELDS

Tramway and metro superstructure

It is used as a solution for vibration isolation in railway, tramway and subway superstructures.

OMERO 35525-1 is a mat with high vibration isolation capabilities and high mitigation performance. It combines excellent elastic characteristics with notable fatigue resistance, even in contact with grease and mineral oils. It can be used in different types of applications and is preferably applied for Under Ballast and Under Slab solutions.

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On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



THOR-163025



MATERIAL

THOR 163025 is the special mat, in the soft version, made of 25 mm thick panels.

It is composed of a special NEOPRENE-based elastomeric compound with a closed cell structure. It can be covered in puncture-proof non-woven fabric on one of the two surfaces, extending the duration of the superstructure system.

APPLICATION FIELDS

Tramway and metro superstructure

It is used as a solution for vibration isolation in railway, tramway and subway superstructures. THOR 163025 is a mat with high vibration isolation capabilities and high mitigation performance. It combines excellent elastic characteristics with notable fatigue resistance, even in contact with grease and mineral oils. It can be used in different types of applications and is preferably applied for Under Ballast and Under Slab solutions.

Width 1250 ± 5% mm

Length 2000 ± 5% mm

Thickness 25 ± 1,5 mm

Stiffness C_{stat} 0,008 N/mm³

Density 160 ± 20 Kg/m³

Hardness 30 ± 5 sh00

*Fire safety class 1 Ministerial Decree
June 26, 1984*

ADDITIONAL DATA

Its main characteristic is to mitigate vibrations and noise.

They are made of various thicknesses in order to meet the numerous types of specifications present in the reference sectors, and are capable of achieving high performances in terms of elastic characteristics. The choice of thickness inevitably meets the static and dynamic stiffness characteristics required by the designer.



On request the mats can be made in different formats, through additional manufacturing processes it is possible to make joints by gluing with a special binder.



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RUBBER TECHNICAL PRODUCTS

— SINCE 1967 —

