

ECO-BUILDING

**Eco-friendly solutions for building
insulation and surfaces**





““Every year we invent new ways to give a second life to thousands of tons of secondary raw materials from end-of-life tires””

Marco Ferramini

Who we are

CASEI ECO-SYSTEM is an ever-growing innovative and dynamic company that develops high-level products since 2003, starting from a small big idea: only those who produce with the environment in mind also think about the future.

CASEI ECO-SYSTEM is the market leader in the manufacturing of products made with recycled rubber from end-of-life tires. In fact, the main objective is the revaluation of secondary raw materials.

With twenty years of experience and two production plants located in northern and central Italy, the company is committed to continuous investments both in product innovation and in the production process. In 2023 alone **CASEI ECO-SYSTEM** has revalued over 8,000 tons of tires otherwise destined for destruction.

From the use of this material, we obtain highly competitive products which include flooring and equipment for gyms, rolls for soundproofing, urban furniture, elements for road safety and special products upon customer's request.

The CASEI ECO-SYSTEM factory in Molino dei Torti (AL)

The historical plant of **CASEI ECO-SYSTEM** in Molino dei Torti is one of the most innovative in the world in the sector in which we operate. It uses the most advanced technologies available nowadays, completely designed within the company and putting to use the know-how gained in over 20 years of activity.

In the Molino dei Torti factory we produce several products for multiple applications, among which the most important ones are the flooring for sports, amateur and professional use, flooring for playgrounds, anti-vibration products and products for urban furniture.

Thanks to the expertise and experience of our entire team, we are among the market leading companies in many of these sectors.

The total covered area between production, offices and warehouses is over 7,000 m². In particular, the warehouse is equipped with over 700 pallet spaces to provide an adequate advanced logistics service to our customers, all in a total area of over 74,000 m².

The plant can be defined as "zero impact" on the environment, as all waste material is reused.

Factory in Molino dei Torti (AL)





We firmly believe in what we do,
Because one thing is talking about the environment
Another is putting it at the center of everything



The CASEI ECO-SYSTEM factory in Montepandone (AP)

CASEI ECO-SYSTEM firmly believes in the use of recycled rubber.

For this reason, since 2022 it has opened its second Italian production plant in Montepandone, whose main operation is the production of rolls and sheets from recycled rubber, intended for different sectors, of which the most important are construction, acoustics and professional sports flooring.

Thanks to this new, highly technological factory, **CASEI ECO-SYSTEM** has significantly expanded its range of products and production capacity.

The new factory is equipped with innovative and cutting-edge technologies, highly automated production lines in order to guarantee the quality and the compliance with the strict technical and performance characteristics that have always distinguished the products made by the **CASEI ECO-SYSTEM** brand.

In an increasingly global market, parallel to the quality of the product, that of the packaging must be aligned; to support this idea, **CASEI ECO-SYSTEM** has made significant investments in its packaging line, as well as in the storage area, to offer its customers the possibility of making use of just-in-time deliveries for the most common sizes.

From a long-term perspective, with the opening of the second factory in Montepandone, in the province of Ascoli Piceno, **CASEI ECO-SYSTEM** acquires greater flexibility in terms of production capacity and quality and adds an important asset in completing the range of its production.

This is an important strategic development of the company, according to its values both in terms of quality and eco-sustainability, which have always characterized its products and its vision of the green economy.

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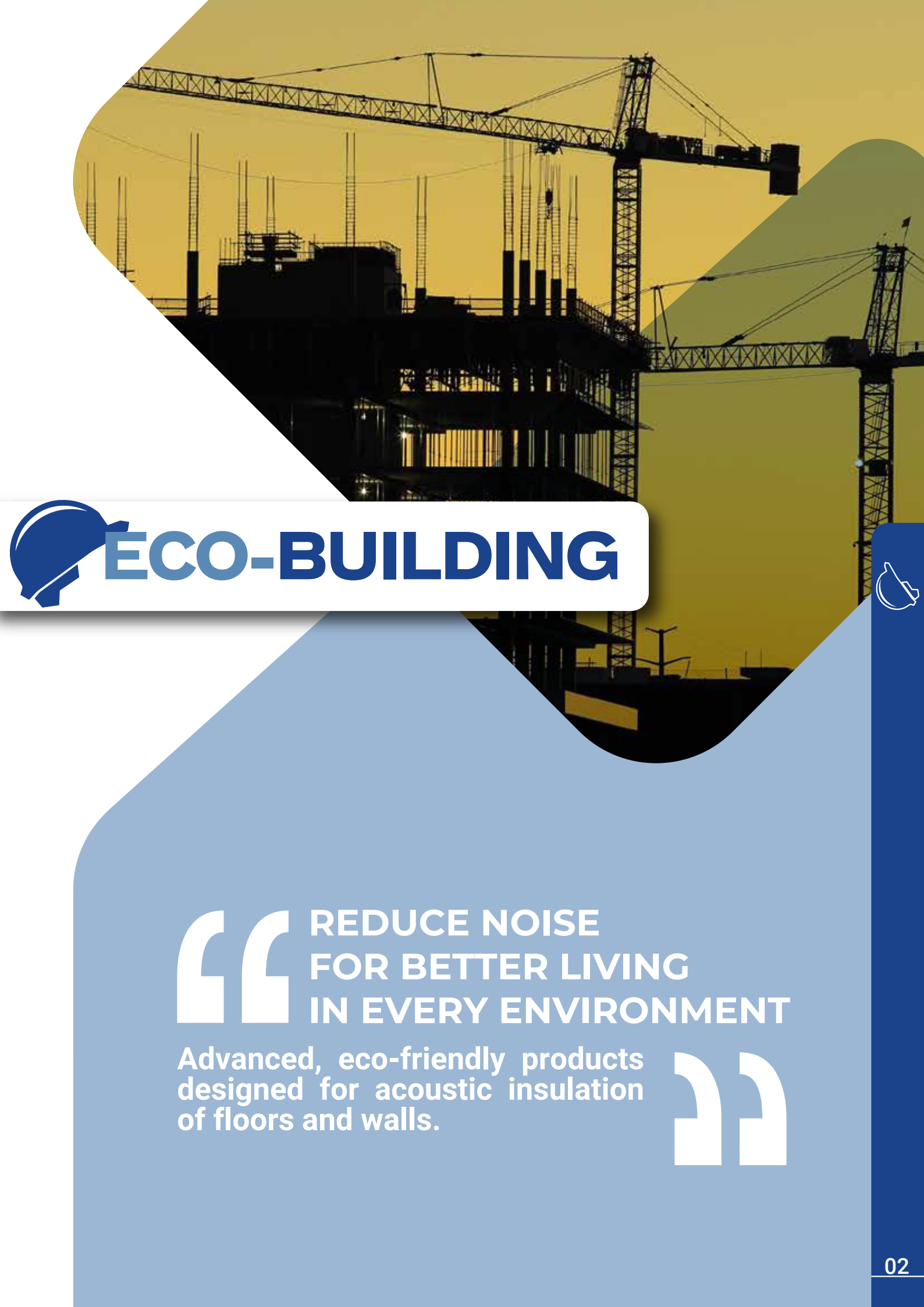
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ECO-BUILDING

“ **REDUCE NOISE
FOR BETTER LIVING
IN EVERY ENVIRONMENT**

Advanced, eco-friendly products
designed for acoustic insulation
of floors and walls.

”

ECO-FON ROLL

ACOUSTIC INSULATION ROLLS



Characteristics:

The **ECO-FON ROLL** membrane is the ideal solution for subfloor structures in the building sector, with a specific focus on environments such as gyms, fitness centers and recreational areas.

This high-quality product combines sustainability and high performance, being manufactured from recycled rubber to ensure durability and environmental responsibility. With a density of 750 Kg/m³, the **ECO-FON ROLL** membrane ensures excellent durability and mechanical strength.

Applications:

ECO-FON ROLL is designed to deliver outstanding acoustic insulation, certified with an impact sound reduction of 19 dB even at a minimum thickness of 3 mm.

This makes it the perfect choice for environments where noise reduction is crucial, such as commercial and residential construction projects, enhancing comfort and overall environmental quality.

REMADE® Certification:

Upon request, **ECO-FON ROLL** rolls can be certified according to the REMADE® standard, ensuring the exact percentage of recycled material contained in the product. At the time of order, the corresponding certification can be requested, guaranteeing full material traceability and providing the necessary documentation for compliance with the Minimum Environmental Criteria (CAM). The product is certified with a recycled content of 92%.

ECO-FON ROLL



Dimensions:

ECO-FON ROLL is produced in rolls of various thicknesses and sizes. The available roll widths are 1000 mm and 1250 mm, while thicknesses range from 3 to 10 mm. All related data are shown in the following tables:

ECO-FON ROLL width 1000 mm									
THICKNESS (mm)	3	4	5	6	7	8	9	10	20
LENGTH (m)	15	12	10	8	7	6	5	4	2
WEIGHT (Kg)	35	35	36	35	35	35	32	29	29

ECO-FON ROLL width 1250 mm									
THICKNESS (mm)	3	4	5	6	7	8	9	10	20
LENGTH (m)	20	16	12	10	9	8	7	6	3
WEIGHT (Kg)	60	60	56	56	59	60	59	56	54

Installation:

The installation of the **ECO-FON ROLL** membrane is simple and quick. Supplied in rolls, it allows fast positioning and maximum adaptability to the specific requirements of the project.

Colours:

Standard black, non-pigmented, with possible speckles or colour variations typical of recycled rubber.



ECO-FON STRIP

Perimeter Isolation Strip

Characteristics:

ECO-FON STRIP is a perimeter isolation strip designed to reduce vibrations and improve acoustic performance. It is manufactured from 100% recycled rubber, with selected granule size bound with polyurethane resins.

This material ensures the decoupling of vertical sections from floor structures, contributing to improved acoustic quality.

The strip is black in colour and has a density of 750 kg/m³. Technical specifications include thicknesses ranging from 3 to 20 mm and customisable dimensions.

ECO-FON STRIP provides effective noise reduction and excellent physical properties.

Applications:

ECO-FON STRIP is ideal for use in constructions where vibration reduction and improved acoustic performance are required. Its application is particularly suitable for the decoupling of vertical sections, such as partition walls, from floor structures.

This solution is suitable for residential, commercial and industrial buildings requiring high acoustic performance.

The use of recycled and fully recyclable materials makes this product not only effective but also environmentally sustainable, supporting green building projects.

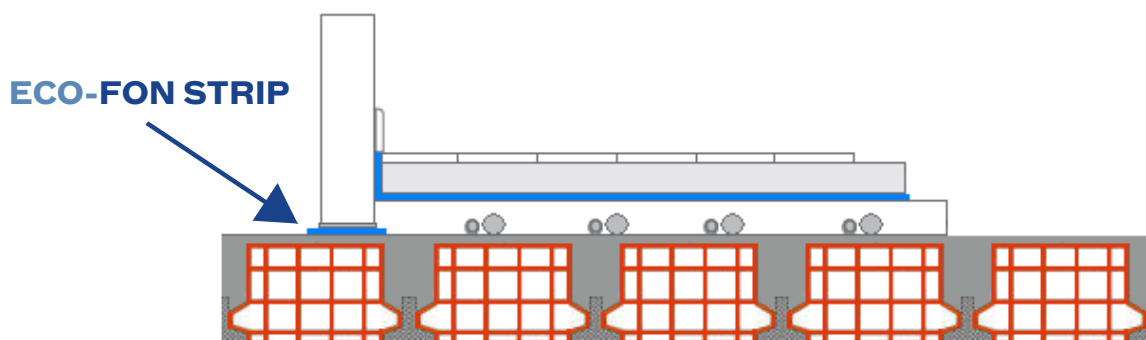


Installation:

For correct installation of **ECO-FON STRIP**, it is recommended to store the material in a covered, ventilated area at room temperature before use. During installation, it is important to ensure that the strip is properly positioned between vertical sections and floor structures, guaranteeing uniform adhesion.

The correct choice of thickness and width is crucial to optimise noise reduction properties and the stability of the structure.

ECO-FON STRIP can be cut and adapted to specific project requirements, while always maintaining the indicated technical tolerances.



Dimensions:

ECO-FON STRIP is produced in rolls of various thicknesses and sizes. All related data are shown in the following table:

TECHNICAL SPECIFICATIONS									
THICKNESS (mm)	3	4	5	6	7	8	9	10	20
DIMENSIONS	Customisable (with widths ranging from 50 to 1250 mm)								

Colours:

Standard black, non-pigmented, with possible coloured speckling typical of recycled rubber.

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ECO-FON STRIP
the sound-absorbing and
eco-sustainable perimeter
isolation strip



ECO-FON MAT

TAILOR-CUT MAT

Characteristics:

ECO-FON MAT is a mat made of 100% recycled rubber, custom-cut from rolls according to customer specifications.

Available with rectangular or square base, it is designed to ensure protection, insulation and stability, representing a versatile solution for a wide range of building and industrial contexts. Its compact, non-slip surface makes it durable and safe, while the use of recycled rubber ensures a reduced environmental impact.

Applications:

Customisable in size and thickness, **ECO-FON MAT** can be used in various sectors:

- **raised flooring systems**, under adjustable supports, to protect waterproof membranes, improve acoustic insulation and increase usable height;
- **protective layer** under industrial machinery and equipment, reducing vibrations and impact noise;
- in containers and storage areas, as an **anti-slip and stabilising mat**;
- on loading surfaces and operating areas, to **protect materials** and improve safety.

ECO-FON MAT is the ideal choice wherever insulating, non-slip surfaces with customised dimensions are required.



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ECO-FON MAT
insulating, anti-slip,
custom-made. The mat that
protects and stabilises
supports and surfaces.

Installation:

ECO-FON MAT is supplied already custom-cut and ready to use. Depending on its intended application, it can be simply positioned – for example, under machinery and equipment to reduce vibrations and protect surfaces, or under adjustable supports in raised flooring systems.

When operating conditions require greater stability, such as in the presence of dynamic loads or high vibrations, the mat can be fixed by gluing or with other dedicated solutions.

The installation method therefore depends on the specific application context.



Dimensions:

ECO-FON MAT is available in custom-cut formats, with rectangular or square base (minimum side 50 mm), to adapt to different design and application requirements. The range includes thicknesses from 3 to 20 mm: 3, 4, 5, 6, 7, 8, 9, 10 and 20.

Colours:

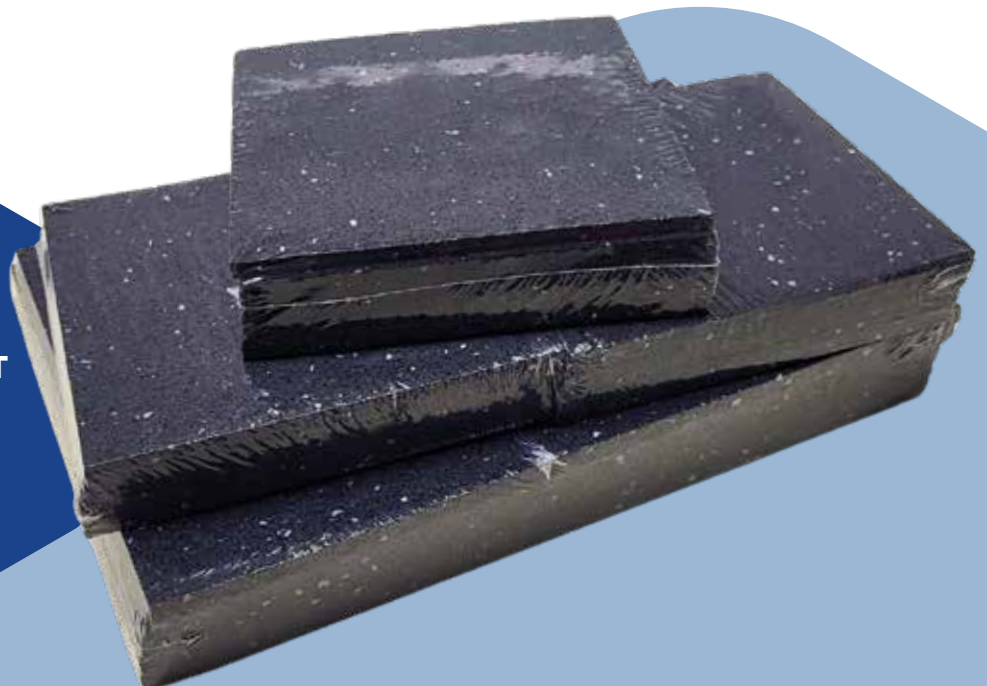
Standard black, non-pigmented, typical of recycled rubber. The surface may show slight light or coloured speckling inherent to the material; such aesthetic variations do not affect performance.

Packaging:

ECO-FON MAT can be supplied in different packaging options, agreed with the customer: stacked on pallets or boxed. Mats can also be bundled in shrink-wrapped packs. The most suitable solution is defined at the ordering stage to optimise handling and logistics.



ON REQUEST
also available
in customised
packs



ECO-FON CORK

ACOUSTIC INSULATION MEMBRANE

Characteristics:

ECO-FON CORK is an acoustic insulation membrane in rolls, made of 100% recycled rubber with selected granule size, bound with polyurethane resins mixed with natural cork. The granule structure is slightly rough, ensuring excellent acoustic insulation properties.

Applications:

ECO-FON CORK is ideal for acoustic insulation in industrial, commercial and residential environments. Thanks to its sound-absorbing properties, it is particularly suitable for use in floating floors, partition walls, false ceilings and other applications where reducing noise transmission is required.

Dimensions:

ECO-FON CORK is available in rolls with a standard width of 1000 mm, but on request, rolls with a width of 1250 mm can be produced.

The length of the roll depends on the membrane thickness, with dimensions available in the following table:

ECO-FON CORK width 1000 mm										
THICKNESS (mm)	2	2,5	3	4	5	6	7	8	9	10
LENGTH (m)	20	15	15	12	10	8	7	6	5	4
WEIGHT (Kg)	30	28,1	33,8	36	37,5	36	36,8	36	33,8	30





FLOORING FOR FLAT ROOFS AND TERRACES

Characteristics:

ECO-ROOF is a shock-absorbing flooring made of recycled rubber from end-of-life tyres (ELT), specifically designed for installation on flat roofs and terraces.

This product stands out for its selected medium-grain granules, bound with polyurethane resins, which ensure a draining, durable and high-performance surface.

The particular shape of the tile is designed to effectively drain water from the roof surface, preventing pooling and improving safety.

In addition, **ECO-ROOF** helps reduce the risk of slipping.

Applications:

ECO-ROOF is ideal for a wide range of outdoor surface applications, such as flat roofs and terraces. Thanks to its draining and anti-slip properties, it is particularly suitable for covering the roofs of residential and commercial buildings, providing a safe and weather-resistant solution.

Dimensions:

ECO-ROOF is available in the standard size of 500×500 mm per side, with a thickness of 30 mm. These dimensions are ideal to ensure efficient and uniform coverage of flat roofs, terraces and other outdoor surfaces.

The combination of these measures ensures an optimal balance between ease of handling during installation and the robustness required to withstand outdoor conditions, while at the same time offering excellent stability and long-lasting performance.



ECO-ROOF

eco-sustainable and
easy-to-install solution for
covering flat roofs and
balconies



Installation:

The installation of **ECO-ROOF** is extremely simple and versatile, designed to adapt to different surfaces without the need for gluing. The tiles can be laid directly on screeds, waterproof membranes or existing flooring, making installation quick and cost-effective.

Thanks to the integrated locking pins, the tiles interlock securely with each other, ensuring a safe and durable installation without requiring additional adhesives or permanent fixings.

This solution also allows for easy removal or replacement of tiles when necessary, keeping the underlying surface intact and facilitating any future maintenance.

Colours:

ECO-ROOF is available in three colours: black, grey and red.



ECO-ROOF

equipped with a draining
base to facilitate rainwater
runoff





Industrial **Vision**, Green **Spirit** to transform recycled rubber into innovative products, thus helping to reduce pollution and preserve the beauty of our planet.

VISIT THE WEBSITE



Scan



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