



RAISED FLOORS
MADE IN ITALY

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THE VALUE THAT MATTERS: OUR STORY IN NUMBERS



A PASSION THAT UNITES GENERATION

Newfloor raised floors were born in 1986 from a vision of the Matterazzo family. Since then, our ideas have grown alongside the projects and needs of those who choose us for their spaces, whether private or corporate, institutional or exhibition, indoor or outdoor.

Today, our team consists of 30 people, and we produce 200,000 m² of raised floors each year, installed in over 50 countries worldwide.

In 40 years, many things have changed, but we always maintain the care and passion of an adventure that started in the family.

Cav. Umberto Matterazzo

President

“A passion passed down through generations. Because the raised floor is not just work, but the history that has shaped my family. Every small productive detail, every new idea and collaboration, every doubt and solution found, day by day, together, up to today”.

Chiara Matterazzo
Chief Executive Officer

“Our family, always a leading figure in the history of the raised floor, has contributed to its evolution and development, becoming the guardian of its specific characteristics. Today, it renews its commitment, perpetuating the same values that have always distinguished it, such as dedication, continuous research, attention to detail, and a focus on the customer”.

Michela Matterazzo
Chief Executive Officer

40 years of history

Team of **30** people

Production facility
in Codevigo (Padua)
of **4,000 m²**

200,000 m² of floors
manufactured every year

Floors installed in
50+ countries worldwide

BUILDING OUR 'STORY' SINCE 1986, ONE STEP AT A TIME

Newfloor, founded and led by the Matterazzo family in 1986, is a Veneto-based company born from over ten years of experience in wood processing. After the initial years of activity, primarily working on behalf of others, the company decided to differentiate itself from the production of that time, which mainly involved the artisanal production of panels with resilient finishes such as vinyl, hpl, linoleum, and rubber. It then specialized in the processing of hard and stone materials, and introduced, for the first time in the market, formats beyond the standard 60x60 cm (e.g., 60x90, 60x120, 45x90, 75x75 cm).

In 1994, it inaugurated its new headquarters in Codevigo (Padua), and in 2003 it entered the national and international market under its own brand. New products were developed and industrial inventions patented: 1998 marked the year of the raised floor panel clad with multiple ceramic tiles, bordered with a permanent and durable joint. In 2013, the FREEFLOOR system was introduced, a dry-lay self-supporting flooring system.

Newfloor's flagship product is the self-centering S-LOCK SYSTEM, which can be combined with the RADIAFLOOR hydronic radiant system.

Newfloor also develops outdoor solutions, including RADIAFLOOR C, thereby expanding into the residential sector as well.

In recent years, thanks to ongoing collaboration with leading design studios, Newfloor has also developed design-oriented solutions such as GREENFLOOR, as well as socially impactful products such as the PEDAGOGICAL FLOOR, designed to generate a positive impact on society.



FOUR DECADES OF INNOVATION

Two generations meet, listen to each other, and push beyond limits. Experience becomes vision, tradition turns into the future.

1986

Newfloor is founded

Newfloor is established and led by the Matterazzo family, following over ten years of experience in wood processing.

1987

Ceramic processing

Contract manufacturing for major brands in the ceramics industry.

1988

Tailor-made expertise

The company specializes in processing hard materials with non-standard formats, refining its know-how in tailor-made and customized products, while also focusing on technological and innovative development.

1990

Modern formats

From the standard 60x60 cm panel format to more modern dimensions.

1994

New headquarters

The new headquarters is inaugurated in Codevigo, Padua.

1998

Ceramic tile patent

Patent of the panel clad with multiple ceramic tile, edged together with a permanent and durable joint.

2003

Global market

Newfloor enters the national and international market under its own brand.

2013

Freefloor system

The company patents the FREEFLOOR system, a dry-lay self-supporting flooring system.

2015

Technical innovations

The radiant module and the self-centering structure are developed. A new corporate visual identity is introduced.

2019

Certified products

Three new products are developed and improved: RADIAFLOOR, S-LOCK SYSTEM, and LUMIFLOOR. The company obtains Made in Italy certification.

2020

Structural expansion

Expansion and redesign of the offices.

2022

Production patents

The production line and the S-LOCK SYSTEM gasket are patented.

2024

Corporate rebranding

Restyling of the company logo and a new corporate visual identity. The Raised Floor Museum is established.

2025

Sustainability

Environmental certifications and ISV (Historic Venetian Company) recognition.

THE RAISED FLOOR: THE CHOICE THAT MAKES THE DIFFERENCE



WHAT IS A RAISED FLOOR

The raised floor, also known as access floor, is a system that elevates the walking surface above the structural slab, creating a plenum underneath for the housing of various technical systems such as electrical, hydraulic, telecommunication, and HVAC systems.

The system consists of modular, interchangeable panels supported by a steel substructure, allowing easy access at any time to the systems housed beneath the floor for maintenance purposes. The installation is completely dry and enables a flexible layout of the space.



IDEAL FOR

A solution suitable for both renovations and new constructions



Office



Data center



Museum



Retail



School



Healthcare



Residential



Indoor



Outdoor

HOW THE PANELS ARE MADE

Raised floor panels are the product of the assembly of various materials and comply with the requirements according to standard EN 12825.

TOP SIDE

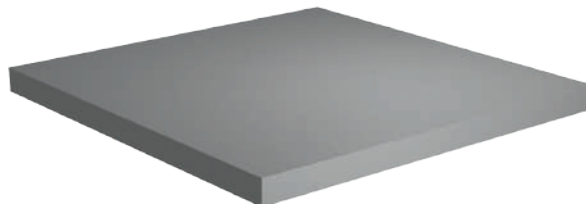
The top side of the panel is made up of the chosen finish, which is glued to the support, such as ceramic tile, solid wood parquet, hpl, vinyl, and the entire range of materials offered in the coverings section.



CENTRAL PART, CORE OR SUPPORT

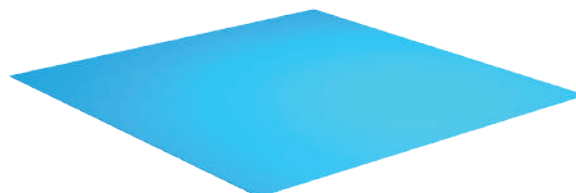
The central part of the panel, called the core or support, ensures the main mechanical and physical performance of the raised floor. There are various types:

- **Wood conglomerate** (known as chipboard), made from recycled wood and primarily used in 38 mm thicknesses, with densities of 680 or 720 kg/m³;
- **Calcium sulfate**: made from gypsum and cellulose fibers, used in various thicknesses and densities ranging from 1,100 to 1,500 kg/m³;
- **X-FLOOR**: a sintered inert mixture created at very high temperatures, made entirely of ceramic with a monolithic and homogeneous structure, with an average density of 2,200 kg/m³.

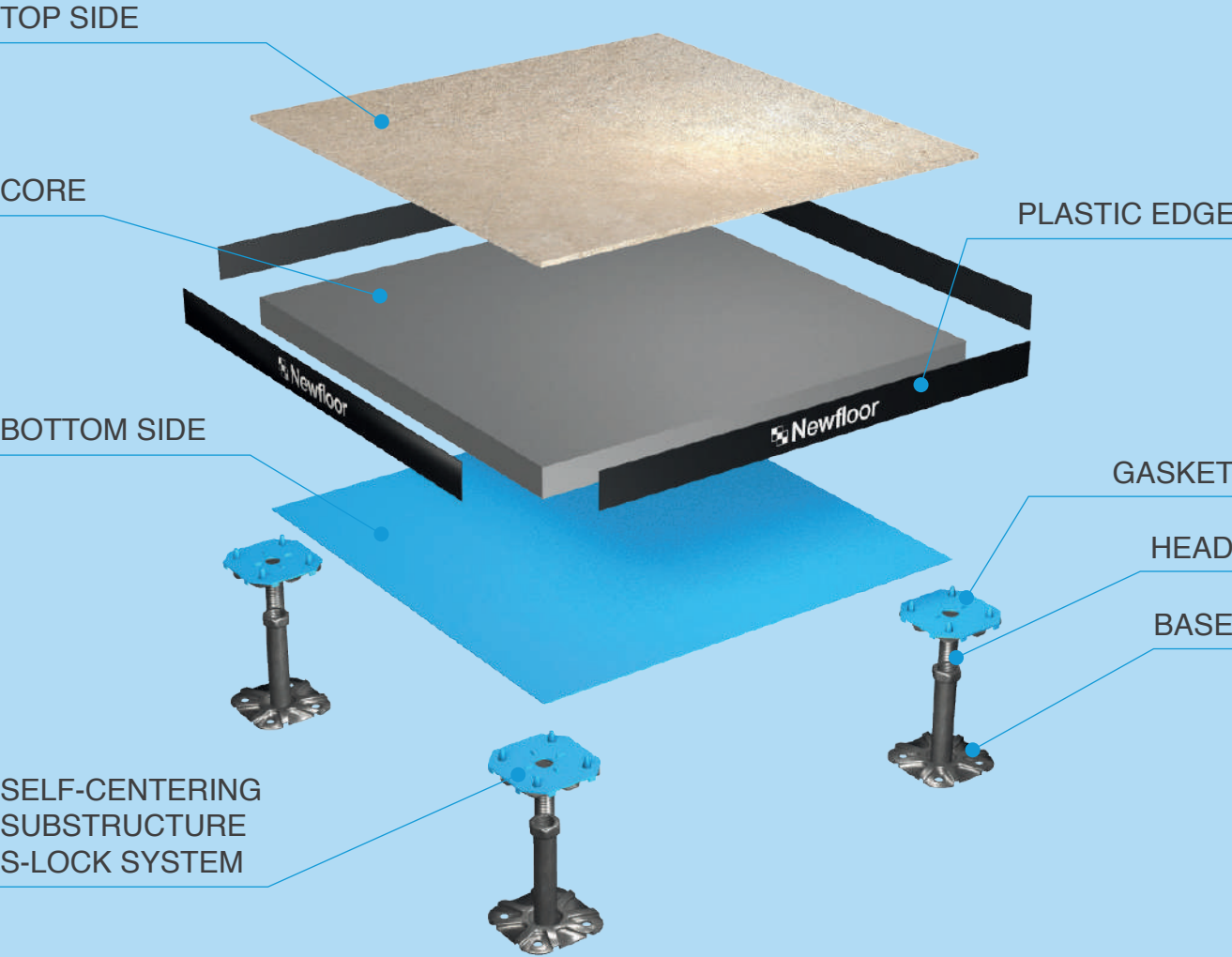


BOTTOM SIDE

The bottom side, that is, the side facing the subfloor, can be covered with an aluminum foil or a steel traysheet that serves both as a vapor barrier and reinforcement. It is possible to manufacture bare panels without a bottom finish, although this is preferred only in the calcium sulfate or in the X-FLOOR versions. A plastic edge, available in different colors and thicknesses, is glued along the perimeter as an interstitial joint.



14. THE RAISED FLOOR: THE CHOICE THAT MAKES THE DIFFERENCE



PANEL PROPERTIES

WATER ABSORPTION AND DIMENSIONAL STABILITY

Wood chipboard, calcium sulfate, and X-FLOOR panels behave differently when exposed to humidity.

Wood chipboard, being of wood origin, is more affected by water absorption, which can cause dimensional variations.

Calcium sulfate offers better stability and more controlled absorption, especially when protected on the bottom side by an effective vapor barrier.

The ceramic tile support, being non-porous and of very high density, ensures minimal absorption and high dimensional stability, even under critical environmental conditions.

NOISE REDUCTION

This refers to the ability to interrupt the frequency of sound transmitted through materials.

Note: It is strongly influenced by the type of horizontal structure (slab) on which the raised floor will be installed and by the presence or absence of partition walls reaching the ground.

Calcium sulfate has good noise reduction capabilities due to its compact and homogeneous structure.

Wood chipboard, while having half the density of calcium sulfate, has a slightly better noise reduction ability due to its physical composition.

Finally, X-FLOOR is positioned midway between the two.

It is important to note that the potential for resonance effects in a raised floor is closely related to the morphology and construction characteristics of the building itself. Very large rooms, absence of subfloor partitions, and the presence of ventilation grilles can all lead to an unpleasant subfloor resonance effect, which acts like a “soundboard” for noises generated by footsteps and other sounds.

WALKING COMFORT

Due to their ability to resist bending even under heavy loads, panels with a calcium sulfate core and X-FLOOR ensure excellent walking comfort, giving the sensation of walking on a surface that is firmly anchored to the ground. In contrast, under the same load, wood chipboard panels, especially when assembled with resilient finishes, exhibit greater flexibility and elasticity.

FIRE REACTION AND RESISTANCE

Fire reaction refers to the degree to which a combustible material contributes to a fire when exposed to it. Fire resistance is the ability of a building component or structure to maintain stability, integrity, and/or thermal insulation for a specified period during a fire. Calcium sulfate is made from mineral materials that are heat-resistant and do not participate in combustion. The same applies to X-FLOOR, made from a mix of clays, kaolins, and feldspars. Wood chipboard, being made of wood conglomerate and resin-based binders and adhesives, reacts by participating in combustion.

INDOOR SUBSTRUCTURE

SNF AND STF SUBSTRUCTURE

The SNF/STF substructure, with a 4/8-spokes head, is the most commonly used substructure for installing raised floors. It is made of galvanized steel, with various heights ranging from 35 to 1,025 mm (custom sizes can also be made as needed). The pedestal consists of a head, tube, and base and can be completed with connecting stringers.

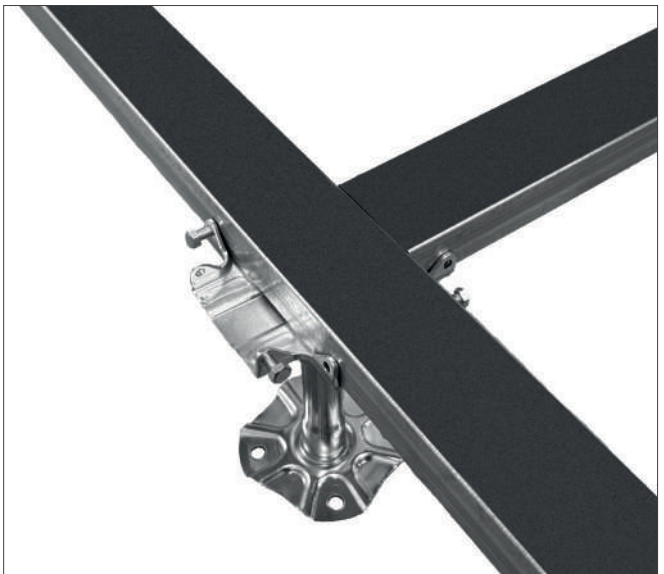
The stringer can be of three types:

- L: light, with a thickness of 15/18 mm;
- M: medium, with a thickness of 30/38 mm, open-section with stiffening ribs;
- H: heavy, with a closed section and a thickness of 25 mm.

All components of the SNF/STF substructure are made of galvanized steel. It is completed with plastic gaskets that serve as anti-noise and anti-impact, placed in contact with the panel.

TUBULAR SUBSTRUCTURE

The Tubular substructure is used for particularly heavy loads. It involves the use of pedestals with a special head designed to house galvanized tubular stringers with a closed rectangular section of 25x50 mm or 40x30 mm, depending on the model. These stringers pass over the head itself and are fixed to it with threaded screws, with adjustments that cover a range from 70 to 1,000 mm.



SOFT-LAY

Soft-lay is an acoustic and anti-vibration insulating element in the form of a circular mat, designed to be placed under the pedestals of the metal substructure of raised floors. It is made from rubber granules bound with a cold-vulcanized polyurethane elastomeric agent.

Its function is to reduce the transmission of noise from the walking surface of the raised floor to the underlying concrete slab, thus helping to improve acoustic insulation between floors.

Soft-lay can only be used with substructures that are equipped with stringers.



OUTDOOR SUBSTRUCTURE

PB SUBSTRUCTURE

PB is an adjustable polypropylene support designed for the installation of any type of outdoor flooring: natural stone, ceramic tiles, and composite materials. Thanks to its solid structure and wide head, it ensures perfect stability and an even distribution of loads, on uneven surfaces too. It is distinguished by its ease of installation, resistance to weather conditions, temperature fluctuations, and chemical products.



SPECIAL EVOLVE SUBSTRUCTURE

Functional, versatile, and modular. The adjustable pedestals of the Special Evolve series are designed to provide strong, self-leveling support for outdoor raised flooring systems.

They can be used with different types of flooring such as X-FLOOR, solid porcelain tiles, and monolithic panels finished with synthetic grass.

They are equipped with an innovative self-leveling system, which ensures greater stability during installation.

Simple and quick to adjust, thanks to an adjustment key or by rotating the base using the new Locking Head system.

The material used for the Special Evolve adjustable pedestals is polypropylene, properly enhanced to ensure long-term durability and increased load resistance.



FINISHES

LINOLEUM

A natural and eco-friendly resilient material made from raw materials such as linseed oil mixed with natural resins, wood flour, fillers, and color pigments, calendered onto a natural jute backing. A photosensitive product.

VINYL

Mainly made of PVC (polyvinyl chloride), a plastic material obtained from polymer processing. It is used in both residential and commercial applications for its ability to imitate natural materials such as wood, stone, or ceramic, while offering high technical performance.

DECORATED HPL LAMINATE

Composed of layers of Kraft paper impregnated with thermosetting resins, with a decorated or printed finish protected by a surface overlay layer.

RUBBER

An elastomer obtained from a compound derived from natural latex extracted from tropical trees, with the addition of a synthetic component derived from petroleum processing residues (compounds based on styrene and butene), subsequently enhanced with reinforcing mineral fillers.

CARPET

A textile flooring with a high level of comfort and sound absorption, made by bonding polyester fleece waste to a backing, composed of polyamide yarns.

NATURAL STONE MATERIALS

These are materials of geological origin, such as marble, granite, travertine, slate, and other stones, extracted directly from quarries. Each stone preserves its uniqueness, beauty, and natural characteristics, making it ideal for exclusive projects.

RECONSTITUTED STONES

Also known as agglomerates, they represent a technical evolution of Venetian Terrazzo and Palladian flooring. These materials are created by combining stone chips, marble, and other minerals, bound together with resins or cement-based binders.

PORCELAIN GRÈS

This refers to a specific type of ceramic tile with a compact and very hard structure, made from the purest materials such as clays, feldspar, kaolin, sand, and colorants. These materials are finely ground together and then atomized to create a powder with a homogeneous granulometry suitable for pressing. The firing process (where no resins or adhesives are added) results in the ceramicization/greification of the mixture, giving it typical characteristics such as resistance to abrasion, impermeability, and durability.

NATURAL WOOD PARQUET

Parquet refers to a natural wood flooring that is laid in a way that forms geometric patterns, either simple or complex. It is made from solid wood or by assembling individual elements.

“RIGID” STAINLESS STEEL AISI 304

These are iron alloys characterized, in addition to the typical mechanical properties of carbon steels, by a high resistance to corrosion, especially in humid air or fresh water, due to the presence of chromium in the alloy. The AISI (American Iron and Steel Institute) designation identifies stainless steel through a three-digit code, sometimes with an additional letter. Hardened steel sheets are available in various patterns, colors, and anti-slip finishes.

GLASS

The glass used as a raised floor panel is a true laminated glass composed of at least three layers of glass of the same thickness (10 mm), bonded together with a PVB (polyvinyl butyral) film, which can be transparent or opaque, through a hot pressing process. The use of three layers provides high mechanical strength as well as significant acoustic and thermal insulation. It also includes Glapix, a thin digitally printed glass.

DEKTON

Dekton® by Cosentino is a stone material produced using Sinterized Particle Technology (TSP), which, by applying high pressure and high temperature conditions, accelerates the metamorphic transformations that natural stone undergoes over thousands of years. It is made from a mixture of over 20 natural minerals, glass, quartz, and high-quality ceramic materials.

ALPINE HAY

Organoid hay is an eco-friendly covering solution in which the raw material, after being processed under high pressure and temperature, is applied to a 4 mm cork backing. The properties of the covering remain intact during the production process, allowing the natural components to be perceived by smell.

CORK

Granorte cork stands out as an eco-friendly, natural, and sustainable material. In addition to its intrinsic properties such as lightness, elasticity, humidity resistance, and resilience, cork is also recyclable.

SYNTHETIC GRASS

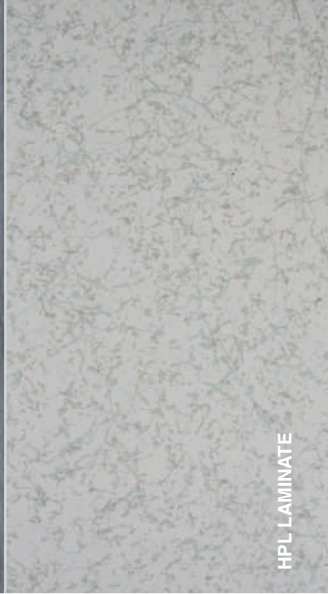
Newfloor synthetic grass is a finish that can be applied to X-FLOOR panels, designed to create natural-looking surfaces for both outdoor and indoor environments. Made with high-density polymer filaments on a draining backing, it ensures a realistic aesthetic effect and a comfortable feel to the touch.



LINOLEUM



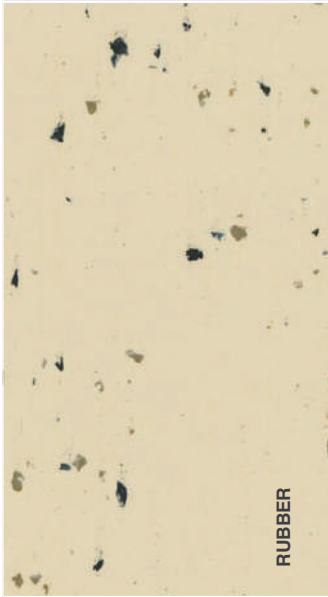
VINYL



HPL LAMINATE



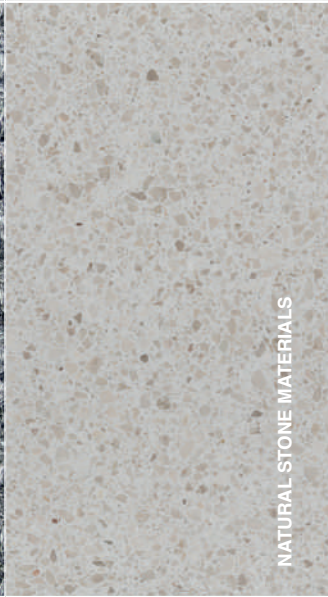
CORK



RUBBER



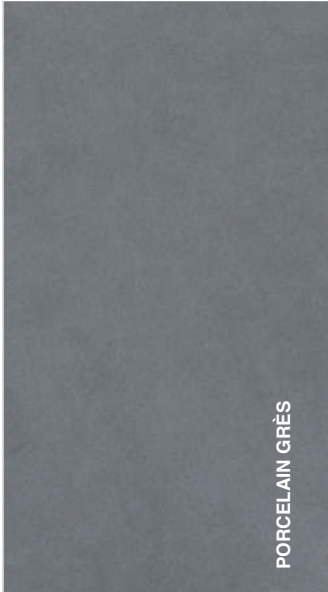
CARPET



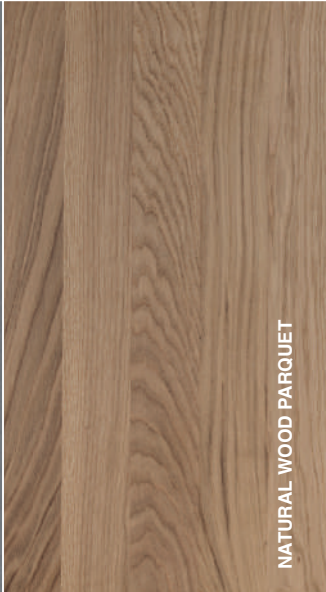
NATURAL STONE MATERIALS



RECONSTITUTED STONE



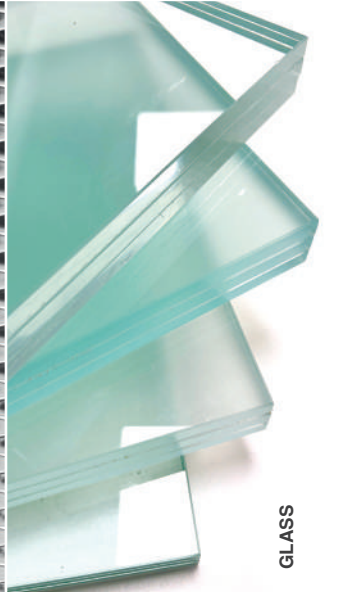
PORCELAIN GRÈS



NATURAL WOOD PARQUET



STAINLESS STEEL



GLASS

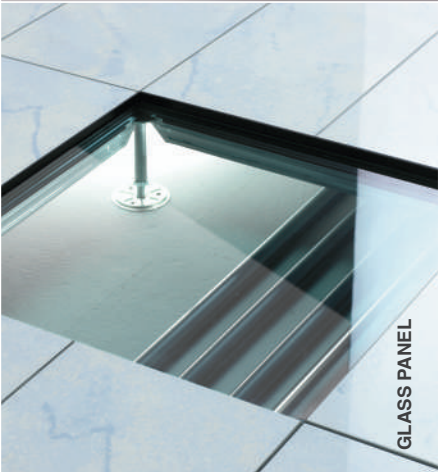
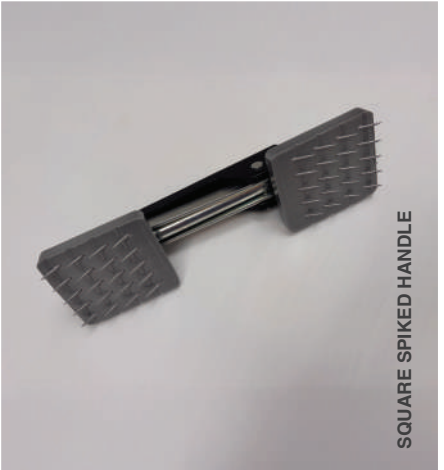
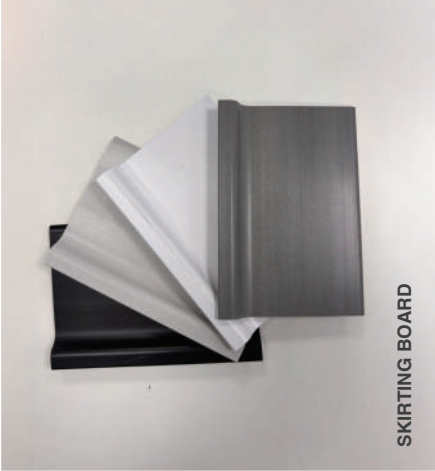
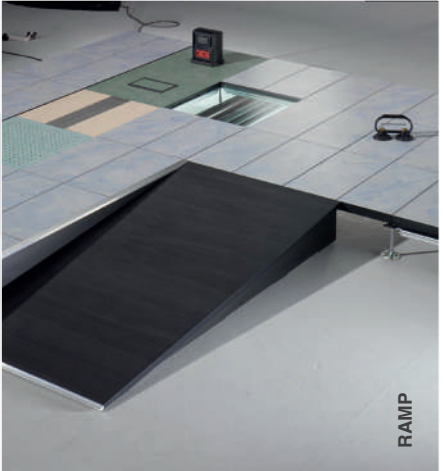
ACCESSORIES

To fully appreciate the functionality and flexibility of the raised floor, a range of complementary accessories is available.

The use of accessories, manufactured in compliance with international safety standards, makes the raised floor easy, practical, safe, and functional to use, fully meeting the flexibility requirements expected of it.

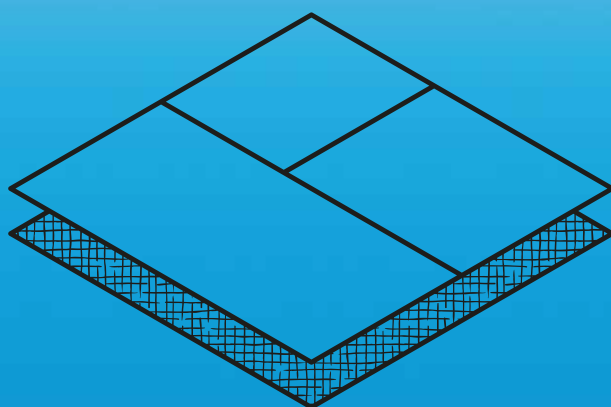
Available accessories include:

- Ventilation grille
 - Step
 - Ramp
 - Suction cup
 - Double suction cup for lifting panels with stoneware or parquet slats
 - Spiked handle for carpet
 - Galvanized handle for lifting outdoor panels (X-FLOOR / MONOLITHIC)
 - Profile
 - Skirting
 - Vertical closure
 - Acoustic barrier
 - Perforated panel
 - Bracing bars
 - Unedged laminated safety glass panel (the possibility of supplying the protective PVC Edge trim).
Made of 3 layers (10+10+10 mm) with opaque or transparent PVB in various combinations
 - Hole for electrical box
 - Sealing
 - Terodaem
 - Adhesive
 - Sealing gasket
-



FREEFLOOR

Patented system for dry installation of ceramic tiles or Terrazzo completely unbonded from each other. It is laid on any type of floor (raised or traditional), with minimal pre-treatment in case of uneven surfaces.



IDEAL FOR

Indoor 

FEATURES

Slim 

Self-laying 

GENERAL DESCRIPTION

FREEFLOOR is an innovative and eco-friendly system, suitable for raised access floor, designed to meet environmental sustainability requirements. This system uses porcelain grès or reconstituted stone tiles, such as Terrazzo, paired with a lower support made from natural raw materials, including mineral components like gypsum and vegetable oils.

APPLICATIONS AND USES

- **Interiors:** ideal for indoor spaces such as offices, shopping centers, exhibition areas, or temporary stores, as well as residences, where sustainability is a key factor.
- **Renovations:** suitable for renovation projects due to its quick and clean dry installation, without the need for complicated pre-treatments.
- **Solutions:** perfect for buildings certified according to environmental standards and for those seeking sustainable solutions in the construction industry.

ADVANTAGES AND BENEFITS

- **Eco-friendly:** made with natural materials based on 'Bio-Polyurethane', reducing the environmental impact of the product.
- **Fast and clean installation:** does not require the use of adhesives or chemicals, reducing waste and dust production.
- **Durability and strength:** porcelain grès or reconstituted stone tiles ensure long-lasting performance with high resistance to wear and stains.
- **Easy removal and reuse:** tiles can be easily removed and reused in other areas.

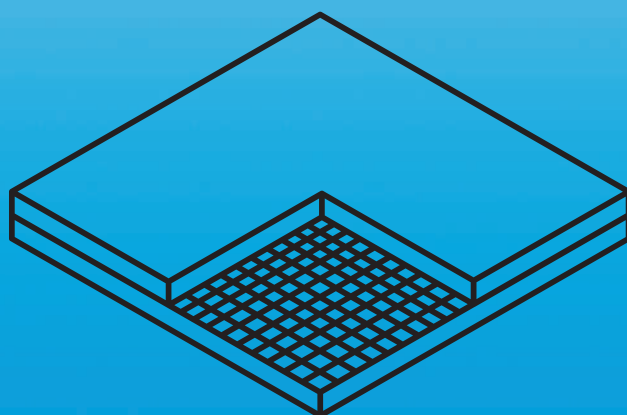
FINISHES

Top surface in porcelain grès (thk 9 mm) or reconstituted stone, such as Terrazzo (thk 20 mm): available in various collections, textures, and colors to suit different styles and environments.



X-FLOOR

Solution made with double bonded ceramics, ideal for outdoor and indoor environments exposed to liquids or high humidity, available in only 26 mm thickness.



IDEAL FOR

Indoor 

Outdoor 

FEATURES

Waterproof 

Slim 

GENERAL DESCRIPTION

X-FLOOR is a raised flooring system designed to provide resistance to water and weather conditions, making it an ideal solution for outdoor environments. Thanks to its innovative double ceramic structure paired with an intermediate fiberglass mesh, the system ensures high mechanical performance and effective anti-breakthrough properties, guaranteeing robustness and safety even under intensive use conditions.

While X-FLOOR is perfect for outdoor applications, it can easily adapt to indoor environments as well. With the addition of a perimeter edge, it becomes the optimal choice for settings where humidity resistance is essential or where a system with minimal height is required.

APPLICATIONS AND USES

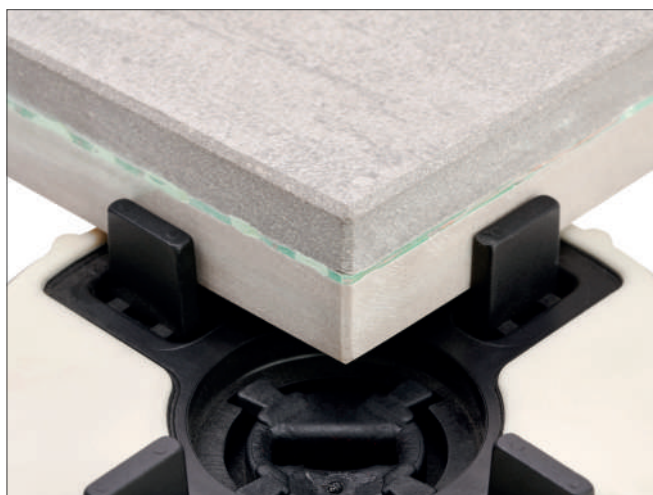
- **Outdoor:** it is ideal for terraces, poolside areas, and spaces exposed to weather elements, thanks to its high resistance to water and weather conditions.
- **Indoor:** with the addition of a perimeter edge, it is particularly suitable for cellars, basements, or other areas subject to high humidity conditions.
- **Green areas:** it is also available with synthetic grass coverings in various colors, making it perfect for creating green spaces or practical decorative turf areas at entrances.

ADVANTAGES AND BENEFITS

- **Water and weather resistance:** it is completely waterproof, making it ideal for outdoor environments exposed to various climatic conditions.
- **High mechanical strength:** the presence of a fiberglass mesh and a double ceramic layer provides the flooring with superior impact and wear resistance, ensuring higher mechanical load capacity.
- **Ideal for low-height spaces:** it is perfect for situations with limited available height, thanks to its reduced panel thickness of just 26 mm.
- **Flexible solution:** allows for aesthetic continuity between indoor and outdoor spaces, thanks to the option of using the same ceramics with specific slip resistance ratings tailored to each context.

FINISHES

- **Grès ceramic:** available in various collections and colors, with non-slip finish options for both outdoor and indoor use.
- **Natural and reconstituted stone:** option to combine panels with high-end finishes for an exclusive and durable design.



AFFIORA

Decorative module made of steel panels and stabilised plants available in various kinds and sizes. The stabilized greenery is 100% natural and does not require water or light. Also available with sod plants for the outdoor version.



IDEAL FOR

Indoor



Outdoor



FEATURES

Design



Accessory



GENERAL DESCRIPTION

AFFIORA is an innovative decorative module for raised floors, designed to integrate stabilized or natural plants into indoor or outdoor spaces. The system combines the aesthetics of greenery with the functionality of the raised floor, creating an ideal solution for those seeking natural and decorative elements. It is available both with stabilized plants, which require no maintenance, and with natural plants for outdoor applications.

APPLICATIONS AND USES

- **Interiors:** it is perfect for indoor spaces such as offices, stores, and commercial areas, where there is a desire to integrate natural elements without the need for constant maintenance.
- **Exteriors:** ideal for outdoor spaces such as terraces or gardens, where natural plants can thrive, thanks to the containment basin designed to hold soil and clay. It can be paired with automatic irrigation systems to ensure constant and optimal plant care.
- **Public areas:** suitable for environments that require a touch of greenery, such as high-traffic areas, as well as waiting zones like airports or stations.

ADVANTAGES AND BENEFITS

- **No maintenance:** stabilized plants require no water, light, or pruning, ensuring a natural appearance with no intervention needed. The system is designed to seamlessly integrate into modern environments, combining contemporary design with nature.
- **Environmental sustainability:** the use of stabilized plants requires no resources such as water or energy for maintenance, making it an eco-friendly choice.
- **Design flexibility:** it can be customized with various plants and finishes, adapting to the aesthetic requirements of the project.

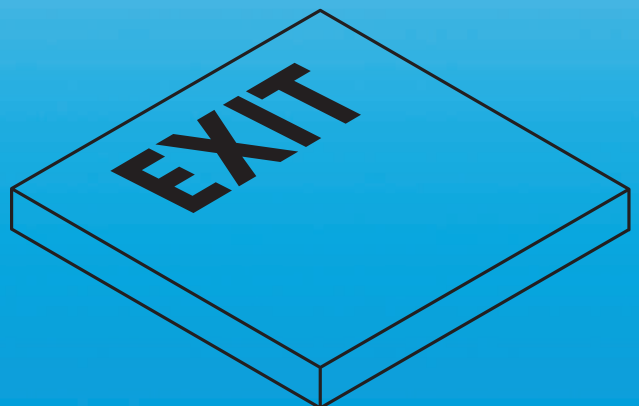
FINISHES

- **Decorative films:** suitable decorative films applied to steel sheets, allowing it to perfectly match the aesthetic of the environment.
- **Stainless steel:** available in various textures.
- **Stabilized plants:** for sale in a wide range of species, offering a natural look with no maintenance required.
- **Natural plants:** for outdoor environments, the basins can host natural plants, with the option to customize the type of greenery.



LUMIFLOOR

Solution equipped with natural photoluminescent pigments that capture sunlight or artificial light and emit it in the dark for up to 8 hours. Unique among raised access panels, it ensures a safe escape route in case of emergency, thanks to the emitted light, otherwise, it can also be used as a decoration.



IDEAL FOR

Indoor



Outdoor



FEATURES

Enlightening



Accessory



GENERAL DESCRIPTION

LUMIFLOOR is a raised flooring system that uses photoluminescent materials to ensure visibility in low-light conditions, such as safety pathways or luminous signage. The photoluminescent pigments capture natural or artificial light and release it in the dark, providing prolonged illumination. It is applied to panels with a ceramic top coating and is made from recycled glass material, available in four different colors.

APPLICATIONS AND USES

- **Safety:** ideal for marking escape routes or illuminating areas in the absence of light.
- **Design:** can be used to create luminous decorative effects in commercial, residential, or public spaces, such as theaters, concert halls, or cinemas, adding both an aesthetic and functional touch.
- **Indoor and outdoor:** suitable for both indoor and outdoor applications where a floor with photoluminescent properties is needed to improve nighttime visibility. It can be used for various signage, such as company logos, text, or simple directional lines. It is also perfect for illuminating specific areas, such as walkways, terraces, or pool edges.

ADVANTAGES AND BENEFITS

- **Prolonged illumination:** the photoluminescent pigments can absorb sunlight or artificial light and release it in the dark for up to 8 hours, with decreasing intensity.
- **Eco-friendly:** the system does not require electrical energy to illuminate in the dark, reducing energy consumption.
- **Aesthetic customization:** available in various vibrant colors that enhance the aesthetic value of spaces.
- **Safety effect:** ensures visibility during blackouts or emergency situations.

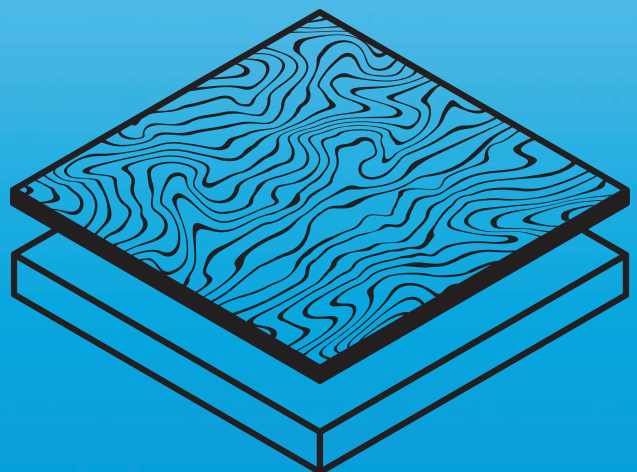
FINISHES

Natural photoluminescent pigments: available in various colours (moon white, yellow-green, ocean blue, aquamarine green), suitable for application on grès ceramic tiles to meet various design needs.



LUMIFLOOR LED

Backlit panel that can be integrated into standard panels to illuminate specific areas or create lighting effects. When switched off, it appears identical to the other panels, in the room ensuring a uniform appearance. Compatible with home automation systems.



IDEAL FOR

Indoor 

FEATURES

Enlightening 

Accessory 

GENERAL DESCRIPTION

LUMIFLOOR LED is a raised flooring system equipped with integrated LED lighting, designed to highlight the floor by illuminating strategic areas. Thanks to its self-laying translucent coverings, the system can be used to create elegant light effects in indoor environments. The finishes are made from materials such as natural stones, reconstituted stones, or Glapix glass, and are mounted on a panel with a calcium sulfate core.

APPLICATIONS AND USES

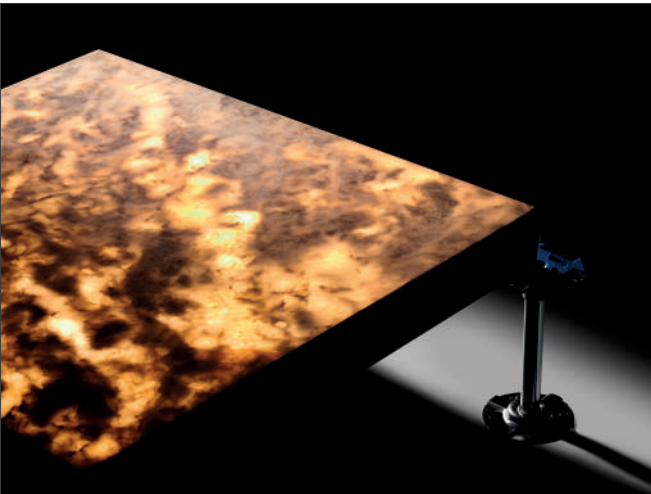
- **Interior:** ideal for creating illuminated pathways, highlighting strategic or decorative areas such as artworks.
- **Design:** perfect for enhancing architecture and decor in environments such as museums, art galleries, stores, showrooms, as well as residential settings.
- **Safety:** can be used to mark escape routes and illuminate critical areas.

ADVANTAGES AND BENEFITS

- **Camouflage effect:** in OFF mode, it blends seamlessly with the environment, creating a uniform and homogeneous effect. The difference between a standard and backlit panel is imperceptible, ensuring the same aesthetic result.
- **Elegant lighting:** in ON mode, it illuminates with elegance, creating a relaxing and magical atmosphere.
- **Home automation compatibility:** it connects to the electrical system both manually and via home automation.
- **Module independence:** each module is independent yet uniform with the rest of the raised floor, with electrical components such as cables, probes, power supplies, and switches fully contained in the plenum beneath the walking surface.

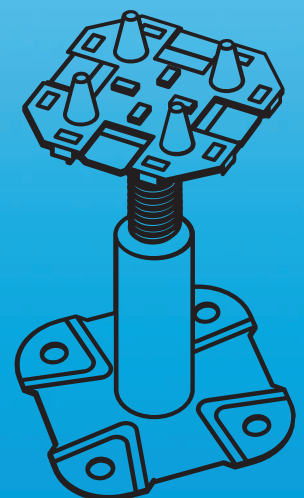
FINISHES

- **Natural stones:** with translucent properties such as quartz and onyx.
- **Reconstituted materials:** made with translucent elements like Silestone, Okite, and Stoneglass.
- **Glass:** translucent finishes available in various colors and textures of Glapix glass.



S-LOCK SYSTEM

Self-centering substructure consisting of a steel column glued to the floor and a gasket designed to securely accommodate the overlying panels. This facilitates installation and ensures long-term integrity and safety.



IDEAL FOR

Indoor 

FEATURES

Self-centering 

Precise 

GENERAL DESCRIPTION

S-LOCK SYSTEM is an innovative raised flooring system featuring a structure equipped with a self-centering, fire-retardant polymer gasket. This gasket is positioned in the four holes located at the corners of the panels. The system enables quick and precise installation, eliminating the need for frequent adjustments and maintenance, while creating a monolithic effect that enhances safety and structural integrity.

APPLICATIONS AND USES

- **Indoor environments:** ideal for offices, banks, and executive centers where long-term stability and alignment of the joints are required.
- **Data centers:** the installation without stringers allows full utilization of the underfloor plenum, thanks to a structure offering superior mechanical performance.

ADVANTAGES AND BENEFITS

- **Stability and safety:** the system ensures perfect panel alignment and long-lasting stability, minimizing maintenance needs.
- **Monolithic effect:** the self-centering gasket creates a monolithic effect that enhances the integrity of the raised flooring system.
- **Quick and easy installation:** the self-centering gasket simplifies installation, reducing both time and costs.
- **Configuration options:** the system is installed by gluing the pedestals to the floor for heights up to approximately 40 cm and is also available in a version with stringers for greater heights.

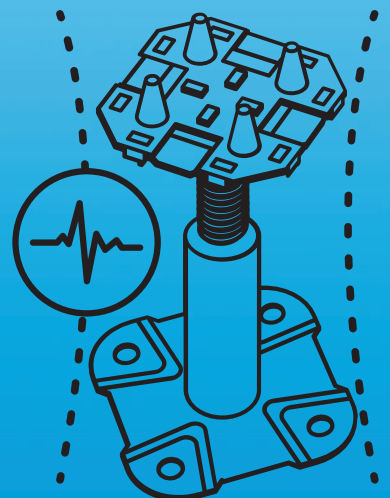
FINISHES

S-LOCK SYSTEM is compatible with panels featuring a calcium sulfate core, available in various thicknesses and densities, and covered with different finishes, such as porcelain stoneware, laminates, and other materials.



S-LOCK SYSTEM AS

Self-centering seismic-resistant substructure with proven durability. The steel pedestal and gasket ensure proper positioning of the overlying panels, maintaining integrity and safety over time, even during seismic events.



IDEAL FOR

Indoor 

FEATURES

Self-centering 

Earthquake-resistant 

GENERAL DESCRIPTION

S-LOCK SYSTEM AS is an innovative raised flooring system characterized by a substructure equipped with a self-centering gasket made of fire-retardant polymer. The gasket is positioned in the four corner holes of the panels, enabling fast and precise installation ensuring the correct positioning and alignment of the panels. This creates a monolithic effect that enhances structural safety and integrity.

APPLICATIONS AND USES

- **Indoor environments:** ideal for offices, banks, and executive centers where long-term stability and alignment of joints are required.
- **Data centers:** the installation without stringers allows full utilization of the underfloor plenum, supported by a substructure that offers superior mechanical performance.

ADVANTAGES AND BENEFITS

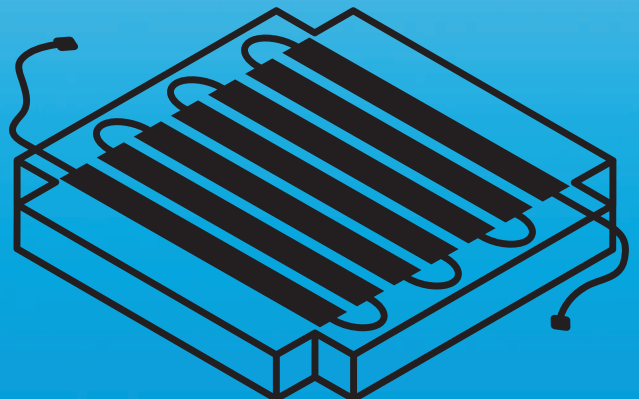
- **Proven seismic resistance:** shake table tests conducted according to ISO 13033:2013 demonstrate that the S-LOCK SYSTEM AS withstands significant seismic stresses, applicable to over 50% of the Italian territory.
- **Adaptability to various load configurations:** simulations performed for linear uniform loads (partition walls) and uniformly distributed loads (furniture) ensure optimal performance in diverse use scenarios.
- **Safety and technical support:** Newfloor provides a detailed test report, allowing for comparison with the specific seismic spectrum of the installation site to develop tailored solutions.
- **Quality assurance from an authoritative institution:** tests were conducted at Eucentre, the leading European research center for seismic engineering, confirming the product's excellence.

Note: The results obtained demonstrate the exceptional performance of the S-LOCK SYSTEM AS, making it a safe and reliable choice for seismic contexts.



RADIAFLOOR

It integrates the raised floor with radiant technology, ensuring maximum heating and cooling comfort. The dry installation guarantees simplicity in both assembly and maintenance.



IDEAL FOR

Indoor 

FEATURES

Heating/Cooling 

Integrated System 

GENERAL DESCRIPTION

RADIAFLOOR is a raised access floor that integrates a hydronic radiant heating and cooling system. The system combines the structure of a raised floor with a radiant coil, ensuring maximum thermal comfort and energy efficiency. It can be applied to panels with dimensions of 60x60 cm and 60x120 cm. It is essential to consult a thermal engineer for the system sizing and to determine the number of modules required, which typically cover about 70% of the total surface area. The installation will require the support of a specialized plumber.

APPLICATIONS AND USES

- **Heating and cooling:** ideal for environments that require controlled heating and cooling, such as offices, business centers, commercial spaces, residences, and museums.
- **Interiors:** suitable for any indoor environment where climate control is required.
- **Energy-efficient buildings:** perfect for buildings using condensing boilers or heat pumps for optimal energy use.

ADVANTAGES AND BENEFITS

- **Energy efficiency:** optimizes the use of low-temperature heating systems such as condensing boilers and heat pumps, reducing energy costs.
- **Thermal comfort:** delivers uniform heating and cooling to ensure a comfortable environment throughout the year.
- **Dry installation:** the system is fully installed using a dry process, simplifying installation and allowing for ongoing system inspection.

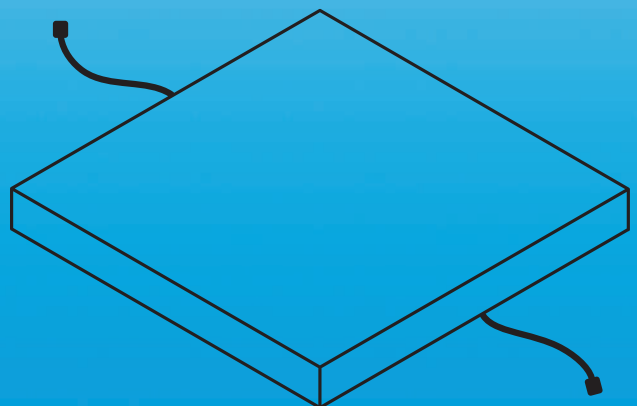
FINISHES

- **Ceramic grès:** available in various collections and colors for both modern and traditional environments.
- **Prefinished solid wood parquet:** an elegant and classic solution for residential and commercial spaces.
- **Bare:** panels designed for the installation of self-laying coverings such as carpets or LVT.



RADIAFLOOR C

Radiant system for raised floors with modular panels that uses carbon fiber as a resistor. When combined with the X-FLOOR panel, it creates a heated floor with about 4 cm of thickness, specifically designed for outdoor environments.



IDEAL FOR

Indoor  | Outdoor 

FEATURES

Heating  | Integrated System 

GENERAL DESCRIPTION

RADIAFLOOR C is an innovative radiant heating system designed for raised floors. It consists of an X-FLOOR top panel coupled with a carbon fiber radiant module, placed in an aluminum casing, ensuring efficient heating through infrared radiation. With a thickness of approximately 4 cm, RADIAFLOOR C is an ideal solution for both indoor and outdoor environments. It is particularly suitable for renovation projects and spaces requiring customized heating systems.

APPLICATIONS AND USES

- **Indoor and outdoor radiant heating:** ideal for environments that require efficient and uniform heating, such as homes, commercial spaces, offices, or outdoor areas.
- **Renovations:** optimal for renovation projects due to the system's reduced thickness.
- **Surface de-icing:** for surfaces to be defrosted or spa pathways.

ADVANTAGES AND BENEFITS

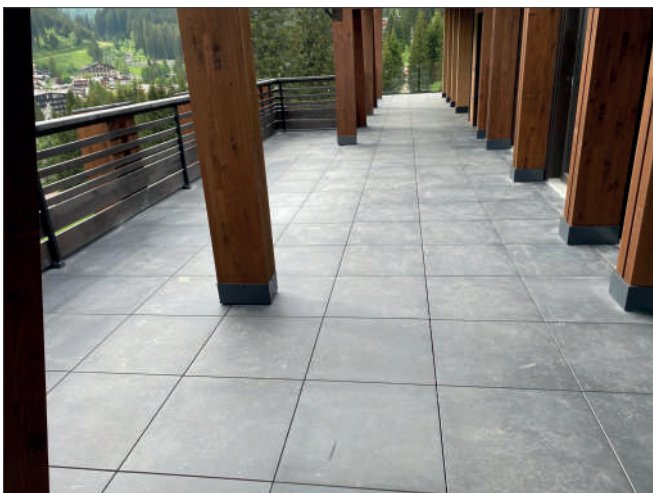
Infrared radiation: directly heats the objects in the environment without thermal dispersion into the air.

- **Flexible installation:** the number of radiant modules can be defined for each environment, allowing for the adjustment of the system's total power according to the needs.

- **Quick installation times:** the radiant system is easy to install and does not require a separate heat generator.
- **Carbon fiber:** does not generate electromagnetic fields, is flexible and corrosion-resistant, is not subject to thermal expansion, does not deteriorate over time, and is 100% recyclable.
- **Quick on/off:** with the ON-OFF solution, the system can be manually controlled or integrated with home automation systems. It reaches the desired temperature in about 1 hour and continues to release heat gradually even after being switched off, ensuring excellent thermal efficiency.
- **Energy savings:** carbon fiber ensures reduced energy consumption and effective heating.
- **Low maintenance:** stable and durable system with minimal maintenance requirements.

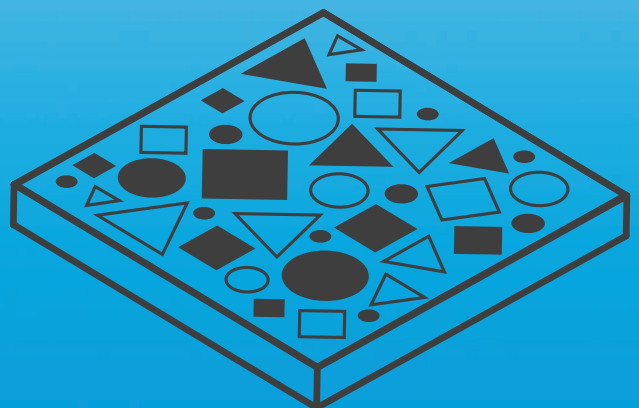
FINISHES

X-FLOOR panel: available in a wide range of finishes, including ceramic tiles, natural stone, and reconstituted stone, offered in various aesthetic effects and colors. Additionally, it is also available in a monolithic ceramic version with a thickness of 2 cm, in the 60x60 cm format.



PEDAGOGICAL

Raised floor for educational environments, designed to stimulate curiosity and encourage learning. Tactile surfaces and customisable finishes combine play, creativity and safety.



IDEAL FOR

Indoor 

FEATURES

Enlightening 

Tactile/Interactive 

GENERAL DESCRIPTION

The **PEDAGOGICAL FLOOR** is an innovative raised flooring system that creates safe, stimulating, and functional environments for children. Integrated with **LUMIFLOOR LED**, it transforms the space into an active element for sensory and motor development. Made with natural or anti-shock materials, it promotes free movement and offers tactile and visual stimuli that enhance psychomotor and emotional development. Thanks to its versatility, it is also suitable for senior centers or facilities for people with cognitive disorders or autism, promoting well-being and sensory stimulation in a safe and welcoming environment.

APPLICATIONS AND USES

- **Sensory exploration:** children discover lights and shadows by interacting with transparent or semi-transparent materials.
- **Educational activities:** panels with a colored metal sheet finish become magnetic boards where letters, numbers, and objects can be arranged and classified by shape, color, and size.
- **Educational experiences:** it lends itself to logic games, visual learning, and simple scientific experiments on light and transparency.
- **Therapeutic function:** thanks to its finishes designed according to the principles of chromotherapy, it helps create a safe, welcoming environment with positive effects on mental and physical well-being.

ADVANTAGES AND BENEFITS

- **Multisensory development:** tactile materials, natural finishes, and luminous surfaces support learning through sensory interaction.
- **Comfort and safety:** resilient and anti-shock surfaces ensure free and protected movement, perfect for schools and pediatric environments.
- **Flexibility and practicality:** dry installation simplifies laying, maintenance, and system integration, making the system adaptable and inspectable.
- **Visual well-being:** the finishes, carefully selected for their visual impact, help create calm and reassuring environments, reducing anxiety and stress.
- **Immersive experience:** bold color combinations and surfaces designed for interaction make spaces more engaging, encouraging curiosity and creativity.

FINISHES

- **Tactile surfaces:** possibility to use carpet, rubber, woven vinyl fabrics, and Alpine Hay with embossed details.
- **Printed flooring:** allows for customized graphics on glass, parquet, or vinyls.
- **Luminous panels:** LUMIFLOOR LED integrated with backlit translucent covers.



CERTIFICATIONS, PACKAGING & DISPOSAL, SUSTAINABILITY

In recent years, sustainability and the quality of a company and its products have become essential evaluation criteria, both in Italy and internationally. Our certifications demonstrate Newfloor's ongoing commitment in this direction. We have invested in research and

development, patenting an in-house production line to meet the demands for efficiency, sustainability, and quality.

Every stage of the process is designed and monitored to minimize environmental impact, while ensuring high quality standards in the final product.





LEED

LEED® (Leadership in Energy and Environmental Design), promoted in Italy by the Green Building Council Italia, is one of the leading international standards for assessing the sustainability performance of buildings. Through a system of credits and points, LEED evaluates various aspects of a building's design, construction and operation, including energy efficiency, water conservation, CO₂ emissions reduction, material selection and indoor environmental quality. Achieving certification therefore helps enhance the value of a building and promote more efficient, healthy and environmentally responsible spaces, with benefits for occupants and the community as a whole.

It is important to clarify that an individual product cannot be LEED certified: it is buildings, rather than materials or products, that receive certification. However, the characteristics and performance of certain products can contribute to achieving specific LEED credits and, consequently, to obtaining the score required for building certification. Depending on their composition and finishes, Newfloor products can contribute to the following credits under LEED V5 BD+C:

Credit: IPc1

Title: Integrated Design Process

Credit: SSc5

Title: Heat Island Reduction

Credit: EAp2

Title: Minimum Energy Efficiency

Credit: EAc3

Title: Enhanced/Advanced Energy Efficiency

Credit: MRc3

Title: Low-Emitting Materials

Credit: MRc4

Title: Building Product Selection and Procurement

Credit: MRc5

Title: Construction and Demolition Waste Management and Recovery

In recent years, however, other protocols have also gained prominence, each with specific criteria and objectives. Among these, the WELL Building Standard places particular emphasis on people's health and well-being within built environments. In this context too, Newfloor products, depending on their characteristics, can contribute to meeting specific requirements. In particular:

AIR

A04 – VOC Reduction

A08 – Entrance

A09/A28 – Cleaning Protocol

A11 – Fundamental Material Safety

A12 – Moisture Management

A25 – Toxic Material Reduction

LIGHT

L53 – Visual Light Design

MIND

M02 – Access to Nature

M04 – Mental

M07.1 – Restorative Space

M07.2 – Thermal

In this way, the characteristics of Newfloor products can contribute not only to the environmental sustainability objectives of LEED protocols, but also to the health, well-being and indoor environmental quality requirements established by the WELL Building Standard.

Explore LEED-compliant products on GREENiTOP®



100% MADE IN ITALY / SYSTEM-IT01

This certification aims to confirm the value of original Italian-quality products. It is issued by the Italian producers protection institute through Promindustria S.p.A., in compliance with the parameters set by current Italian legislation (**Law no. 166, Article 16 of November 20, 2009**).

Designed and manufactured entirely in Italy

- Created with exclusive company designs and engineering
- Entirely produced in Italy
- Made using Italian semi-finished materials
- Full traceability of production processes

Made with high-quality natural materials

- Individual or composite natural materials
- High-quality, first-choice materials suited to their intended use
- Traceability of raw material origin

Produced using traditional craftsmanship

- Specialized in-house processes
- Use of typical traditional techniques

Manufactured in compliance with workplace health and safety standards

- Produced with full respect for labor
- In accordance with workplace safety regulations

Project approved with co-financing from the Ministero delle Imprese e del Made in Italy.



ISO 9001

ISO 9001 certification applies to any type of public or private organization, across all sectors and sizes, whether in manufacturing or services.

It is the internationally recognized reference standard for quality management in any organization that aims to:

- Increase the effectiveness and efficiency of internal processes, as a tool for achieving its objectives
- Enhance competitiveness in the market by improving customer satisfaction and loyalty

The primary goal of ISO 9001 is to achieve customer satisfaction with the products and services provided, as well as the continuous improvement of company performance. It enables certified companies to ensure the consistent maintenance and ongoing improvement of the quality of their goods and services over time.



GREENER

Newfloor has chosen to use energy from renewable sources, clearly demonstrating its commitment to sustainability. For the company, this means investing in the future. It is both a moral and an economic responsibility. This is an important commitment that certifies its attention to the environment, contributing in a concrete way to the protection of our planet and the future generations who will inhabit it.



EPD

Environmental Product Declaration (EPD) is a certified document defined and regulated by the ISO 14025 standard.

It provides environmental data related to the entire life cycle of a product, including the impact that the production of a specific good or service has on the environment in terms of resources used, emissions generated, waste produced, as well as its use and end-of-life disposal.

The method used to calculate impacts and resource consumption is the Life Cycle Assessment (LCA). Therefore, preparing an EPD requires conducting a full LCA analysis.

To ensure comparability between EPDs of products with similar characteristics, the LCA must be carried out using the same criteria, based on the same Product Category Rules (PCR).



BIOSAFE

Biosafe® is a product certification scheme, applied to buildings and construction materials, accredited by ACCREDIA in accordance with UNI CEI EN ISO/IEC 17065.

The following products have been tested according to the Biosafe® protocol through laboratory analyses using test chambers (UNI EN 16000), capable of verifying their emission potential, and through environmental measurements (UNI EN 14412), which assess the level of air purification achieved within indoor environments.

The specific analysis and control process carried out in each case has enabled these products to obtain the Biosafe® Validation Seal, a mark that guarantees health and well-being within indoor spaces.



HISTORIC VENETIAN COMPANY

The “Historic Venetian Companies” initiative refers to a program aimed at documenting and promoting businesses with a long-standing history in the Veneto region.

Its goal is to preserve entrepreneurial heritage and the expertise of generations that might otherwise be lost. These companies operate across various sectors, from food production to mechanical industries, and many have been recognized for their longevity and for maintaining a strong connection to tradition.



A DESIRE TO SHARE KNOWLEDGE

“Il pavimento sopraelevato. Sistema costruttivo, applicazioni e normative”(Rimini, Maggioli, 2015), (available only in Italian language) written by the Newfloor team, is a publication developed with the aim of offering the architecture, building services, and academic sectors a comprehensive and illustrated technical manual. Rich in information, examples, explanations, and comparisons between different materials, it is entirely dedicated to raised flooring systems.

COMMITMENT TO REDUCING WASTE

With regard to packaging, Newfloor has implemented a solution aimed at standardizing the materials used. For this reason, cardboard caps and paper adhesive tape are employed. This choice makes it easier to dispose of the entire packaging correctly, classified under EWC code 150101 – paper and cardboard. A simple measure that supports both the company and its customers during post-sales and disposal phases.

As for wooden pallets, the European Waste Catalogue classifies them under EWC code 150103 – wooden packaging.

The disposal of panels is more complex, as raised flooring systems consist of multiple assembled materials. The assigned reference code is EWC code 170904 – mixed waste from construction and demolition activities.

The resulting waste materials can be collected in dedicated containers during construction works or stored in a designated site area, and later handled using self-loading equipment operated by trained personnel. These materials are then transported to authorized facilities for proper storage and disposal, as not all landfills are permitted to accept this type of waste, depending on availability.

Newfloor also pays close attention to production waste generated in its facilities, sending dust (EWC code 170802) collected throughout the production cycle, as well as offcuts from surface coverings, to recycling plants.

In addition, the company has developed a sustainability report to transparently communicate its environmental performance and its ongoing commitment to minimizing waste.

NEWFLOOR’S SDG

The Synesgy questionnaire has enabled Newfloor to map material topics and sustainability issues, highlighting the most relevant actions carried out during the reporting year. It provides stakeholders with a clear and, above all, certified overview – based on internationally recognized parameters – of the company’s activities.

This awareness journey has revealed a virtuous path undertaken by Newfloor, demonstrated by the alignment of its actions with 6 of the 17 Sustainable Development Goals defined by the United Nations.

The identification of these topics through Synesgy, along with 26 material issues related to ESG areas, has initiated a structured awareness process that actively involves all stakeholders through multiple communication channels.



HEALTH AND WELL-BEING

Ensure health and well-being for all.



SUSTAINABLE CITIES AND COMMUNITIES

Make cities and human settlements inclusive, safe, resilient, and sustainable.



DECENT WORK AND ECONOMIC GROWTH

Promote full and productive employment, decent working conditions, and sustained economic growth.



RESPONSIBLE CONSUMPTION AND PRODUCTION

Ensure sustainable consumption and production patterns.



INDUSTRY, INNOVATION AND INFRASTRUCTURE

Develop resilient infrastructure, promote sustainable industrialization, and foster innovation.



CLIMATE ACTION

Take urgent action at all levels to combat climate change.

Since 1986, we have
been transforming ideas
into spaces that speak of
innovation and style.

From the elegance of
office environments to the
functionality of commercial
and institutional spaces,
every project is created to tell
a unique story.



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