nesite.com

RAISED ACCESS FLOOR

product catalogue
2019

nesite

raising your projects

PRODUCT CATALOGUE

2019

COMPANY PROFILE

industrial in size, artisan in the heart: this is how great customized projects come to life

NESITE, brand of Transpack Group, is the reference point in the raised floor sector.

For 50 years the company's goal has been offering solutions that can satisfy both the technical and aesthetic requirements, "elevating" the floor from a purely technical system to a furniture that can be a key element of the space where it is installed.

Hence the innovative drive of the company, that over the years has developed highly customized products for complex and prestigious international projects, combining the typical flexibility of the artisan company with the professionalism and production capacity of the big industry.

Thus a tailor-made raised floor is born, rigorously made in Italy, created according to specific requests in compliance with the project lead time.

experience

Choosing Nesite raised floors means taking benefit from the experience of a leading company, committed to the highest quality of its products for more than 55 years.
An experience that becomes reality in the identification of technical solutions that allow to manage and deal with the most complex projects.
The know-how and the care in working the finished product made Nesite's proposal a reference in the international market.

passion

Nesite raised floor is made in Italy, following the most rigid criteria.
The research of innovative solutions, the excellent characteristics of the materials and the meticulous attention to details determine the product's technical-aesthetic qualities and ensure an excellent result to our customers. Each panel is produced in compliance with dimensional tolerances to ensure an easy installation and the accuracy of the joints between panels.

creativeness

Nesite proposes itself as a partner in the most prestigious projects, offering exclusive solutions to the most original requests for the execution of a raised floor system. The international projects carried out are the testimony of the value that Nesite has been able to bring to its customers.
The technical competence combined with the ability to understand the specific needs of the customer gives life to a raised floor system of high aesthetic value, in harmony with the surrounding environment.

security

Nesite raised floors are produced in compliance with EN 12825 standard, the European norm which regulates raised floors, providing a series of performance parameters such as mechanical resistance, fire reaction and fire resistance, thermal insulation and acoustic comfort.
Nesite can provide certifications for its range of products that guarantee the fully compliance with these regulations.

ECO-SUSTAINABILITY

leadership in energy and environmental design

Nesite is an eco - friendly company as for the production of its raised floor uses only recycled and recyclable materials, certified by accredited authorities.

Choosing Nesite raised floor means selecting a product realized according to criteria of environmental sustainability and with certified materials; therefore, Nesite is able to adequately respond to the requests coming from LEED or BREEAM projects.

Nesite has contributed to the certification of some prestigious projects such as the Louvre of Abu Dhabi (certified LEED Silver), Banco Popular of Madrid (certified LEED Gold) Christchurch Civic Building in New Zealand (certified Leed Platinum) and the Wilberg Atrium in Norway (certified Breeam Class A).

Our team of experts is able to offer a products' mapping so to determine the credits that will contribute to the building's final score.

Moreover, Nesite has obtained the FSC® Chain of Custody Certification, which guarantees that its floors made of chipboard core and parquet coverings contribute to safeguarding the precious forest heritage all over the world.

Standard EN12825 establishes the guidelines concerning the main characteristics of raised floor. Nesite always provides designers with a product whose specifications meet 100% EN 12825 European standard indications, without sacrificing the creative possibilities of each individual implementation.

EN 12825 STANDARD

fire performance

Decisive for the physical safety of people who live and work on a raised floor, the fire performance is the quality that must be guaranteed in terms of fire reaction (participation in combustion) and fire resistance (mechanical resistance, smoke emission and thermal insulation).
Both are determined by the characteristics of each component and / or material that constitutes the raised floor. The parameter of the fire resistance indicates the quality and the behaviour of the raised floor in case of fire and determines the values that guarantee, above all, the safety for people within that environment. The strict test conditions that determine this parameter identify the minimum time in which one of the conditions measured (decrease of the declared resistance to loads, emission of smoke between the panels and temperature rise of the floor in the presence of fire underneath it) becomes evident.
Nesite raised floors fully meet the fire resistance required by the EN 13501 regulation.

load capacity

The raised floor is designed and manufactured to provide mechanical resistance, high stability and comfort. With the various possible combinations between the type of structure and panel, Nesite is able to support very high loads, offering a solution to all load classes required by EN 12825, without any deformation or failure.

class	1	2	3	4	5	6
max load (kn)	≥ 4	≥ 6	≥ 8	≥ 9	≥ 10	≥ 12

acoustic insulation

The ability to mitigate the footfall noise, along with the ability to isolate the space from the noise transmitted by air, are among the main qualities of raised floors.
Nesite has always been careful to ensure its products a high acoustic comfort in accordance with UNI EN ISO 10848 and, thanks to the use of materials with high - quality compositional characteristics, Nesite floors reach excellent acoustic insulation values.

RAISED FLOOR SYSTEM

The raised floor, also known as "floating floor", is an accessible dry floor system which allows to create a space for electrical, telephone, data, heating and plumbing systems.

Born with the first electronic centers, it is also used as a plenum for air conditioning distribution in particular of technical rooms.

the system

The raised floor is composed of modular panels combined with a galvanized steel supporting structure.
The panels can have different types of core (chipboard or inert) and top covering (plastic laminate, resilient, gres of ceramic, parquet, marble).

There is also the possibility of choosing panels without top covering, suitable for loose – lay coverings that allow the inspection.

Each panel has a perimeter protection which guarantees both a perfect junction and an easy handling.

The structure, easy to install, is composed of various heights supports (from 3 cm to more than 100 cm) and from stringers whose dimensions vary according to the load required.

The performances of the system depend on both components (panel and structure) which comply with precise regulations in terms of resistance and reaction to fire, load-bearing capacity, antistatic properties and acoustic insulation.

01.

STRUCTURE

» No height limit
» Minimum adjustment: +/- 25mm
» Corrosion resistant
» High load resistance
» Easy installation

The structure is the fundamental element of a raised floor, as it determines the height over the surface it is lying on. It is composed of two elements: the columns which constitute the vertical element adjustable in height, and the connection stringers.

The structure is available in different heights for different needs, from a minimum of 3 cm to 100 cm in the standard version. Upon request, it is also available for bigger heights, condition that requires specific design and installation features, such as the use of bracings.

The structure is able to bear very high loads, as it relies on different types of stringers, both open and closed section.

The sound-absorbing gaskets on the head of the column are made of antistatic or conductive plastics and allow an optimal positioning of the panels thanks to dedicated spacers stops.

Nesite, furthermore, proposes the installation of an acoustic pad at the base of the structure, a simple and inexpensive solution that maximizes the sound insulation, reducing significantly the noise transmission.

TYPES OF STRUCTURE

MPS

Structure without stringers, suitable for light loads and heights < 60 cm.
Pedestal glued to the slab.

MPL

Structure with light, open cross-section stringers that strengthen the system horizontally, ensuring stability between the columns even without gluing them to the sub-floor, in case of heights < 60 cm.

MPM

Structure with medium resistance and open cross-section stringers. Ideal for areas with medium traffic.

MPH

Structure with high resistance and closed cross-section stringers. Ideal for data centers, technical rooms or offices with high traffic.

BPC

The BPC structure is indicated for very high loads and is suitable for any type of panel. It consists of vertically adjustable columns and closed cross-section stringers, L 1800 and 550 mm.

02.
PANELS

The panels are the main part of the raised floor system, at the same time helping to ensure the designed load resistance and determining the aesthetic characteristics of the space.

Each panel consists of four elements:

I. Top covering, the element that characterizes the appearance of the finished floor. Available in a wide range of materials and colors.

II. Panel core, the structure the panel is made of, which determines the characteristics of resistance to loads and to fire. It can be made of various kinds of materials in various thicknesses.

III. Edge trim, in high mechanical, thermal resistant and antisqueak ABS. It covers the perimeter of the panel, protecting it from accidental hits. It guarantees a perfect junction between panels, for an easy handling and repositioning.

IV. Bottom covering, of various types:
» *Anti-dust primer* (only for calcium sulphate panels).
» *Aluminum foil*, 0.05mm thick, contributing good protection against the possible humidity under the floor.
» *Galvanized steel tray*, 0.4 mm thick, ensuring protection against humidity and improving the panel's mechanical resistance.

The standard size of Nesite panels is 60x60 cm but, upon request, other dimensions can be supplied.

CHIPBOARD
CORE

» Good footfall comfort
» Discreet acoustic comfort
» Good load capacity
» Fire resistance: 30 min.
» Interchangeable panels that are easy to remove
» Wide range of top coverings

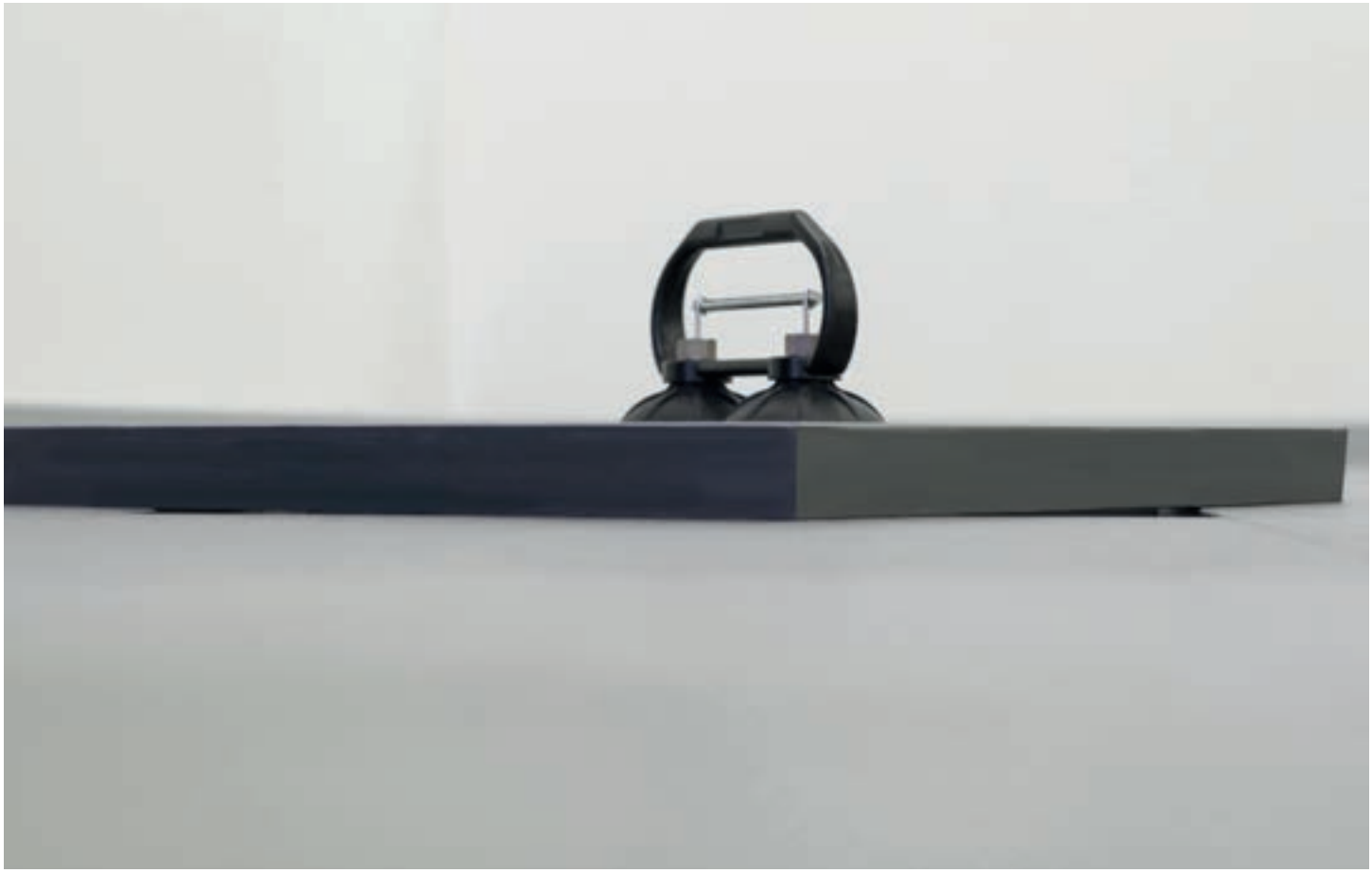
Its light weight, low cost, ease of processing, simple and economical installation, combined with good technical characteristics, make the chipboard core the most requested and used in the market. The element that defines the mechanical qualities of this material is its density.

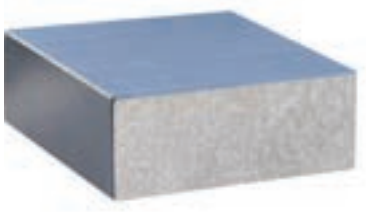
Nesite uses exclusively FSC chipboard in class E1 (according to EN 717-2) for its panels, with very low formaldehyde emissions and high density 730 kg/m³.

It's available in 2 thickness:

» **28 mm,** used when a high load capacity is not required;

» **38 mm,** the most requested thickness due to its good performance and complete certification.

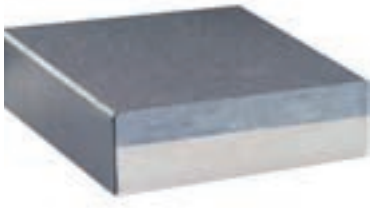




CALCIUM SULPHATE
CORE

» Very high footfall comfort
» High acoustic comfort
» Excellent load capacity
» High fire resistance: 60 min
» Interchangeable panels that are easy to remove
» Wide range of top coverings

This type of core is considered the top of the range and is used when high performance floors are required. It consists of a monolithic layer of calcium sulphate, anhydrite-reinforced, with recycled cellulose fibers, reaction to fire in class 0 (class A1 according to EN 13501-1).
The main feature that ensures high performance is the density. Nesite uses calcium sulphate with a density of 1600 kg/m³, the highest available on the market. The panels produced with this type of core represent the best combination of technical quality and performance, with high characteristics in terms of thermal insulation in case of fire.



SINTERED MATERIAL
CORE

» Very high footfall comfort
» Good acoustic comfort
» Excellent load capacity
» Completely fireproof and waterproof
» Reduced thickness: only 25mm, including gres covering

The panel with sintered material core is born as an innovative solution for outdoor or high humidity areas, but it is also an excellent solution for the indoor spaces.
This type of panel is composed of a core of inert and inorganic material, with a very high density (2200 kg/m³), sintered at very high temperatures. Thermal shock resistant, non-absorbent (0,05% water absorption), frost-proof.
The fire reaction of the panel core is in class 0 (class A1 according to EN13501-1). The top covering is available in ceramic or stone materials.
Thanks to its excellent characteristics, can be installed in outdoor areas in direct contact with the atmospheric agents, to guarantee unparalleled durability and long life.

03.

FINISHES

Versatility, refinement and elegance to enhance the beauty of any space: NESITE offers a wide range of high quality finishes, in perfect symbiosis with the spirit of each project.

VINYL, LINOLEUM, RUBBER

resilient collection

The resilient finishes offer a wide range of colors and finishes.
They are particularly indicated in technical rooms, hospitals and medical studios, airports.

HPL LAMINATE

plastic materials collection

The high pressure laminate (HPL) is a very resistant anti-abrasion finishing, particularly suitable for technical rooms and high traffic areas.
Offers a wide range of colors, including the wood effect collection.

LOOSE - LAY FINISHES

loose - lay collection

In the case of the loose-lay coverings, the Nesite products range includes bare panels with chipboard or inert core, and bottom covering in aluminum foil or galvanized steel tray. As top covering you can choose:
» loose - lay carpet, size 50 x 50 cm.
» PVC tiles.
» Ceramic, versatile in dimensions, finishes and colors.

CERAMIC

high class collection

» Thickness top covering: 10-11 mm.
» In addition to the standard format 60×60 cm, the panels can be supplied in special sizes.
» Ideal in commercial and / or public centers with medium - high traffic.

The ceramic raised floor offers a wide range of colors and sizes, with solutions which can satisfy the contemporary taste for modern spaces but also recreate the warmth of the most classic surroundings, similar to natural materials (wood and marble).

Nesite has selected the materials that best meet the various demands of architects and designers, combining the aesthetic with the technical performance of the raised floor.

NATURAL STONES

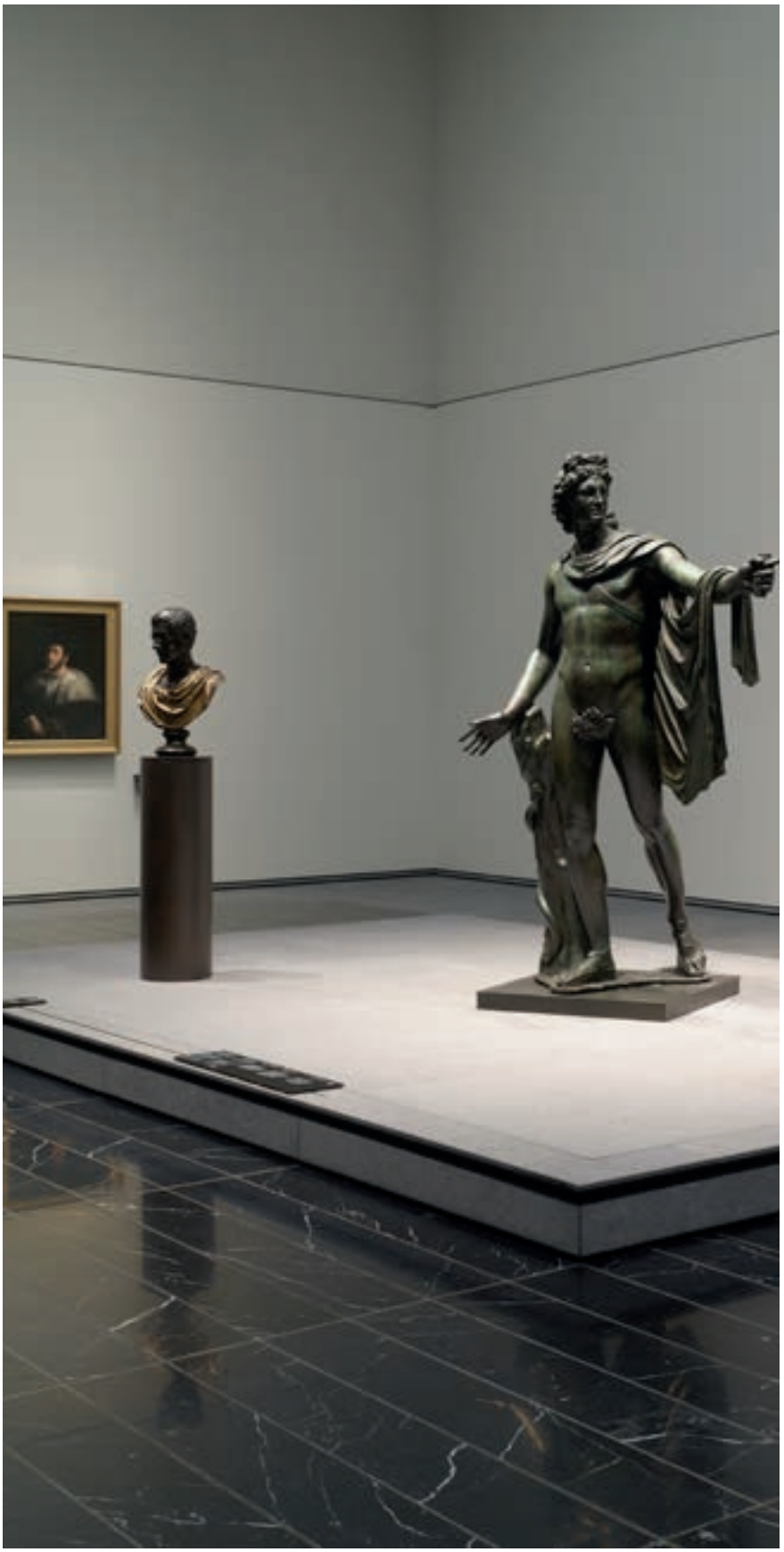
high class collection

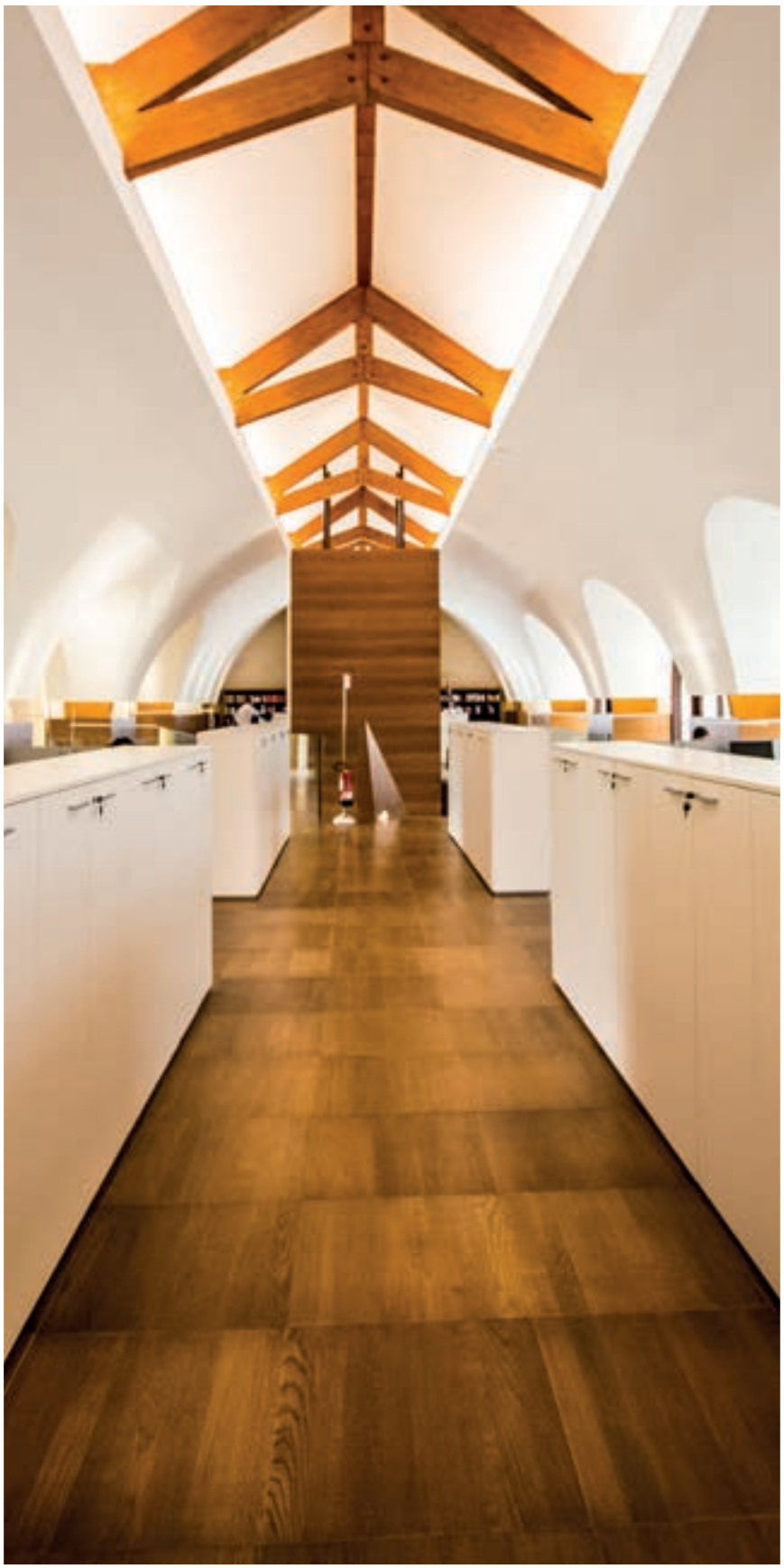
» Thickness top covering: 18-19 mm.
» In addition to the standard format 60×60 cm, the panels can be supplied in special sizes.
» Ideal in business centers and prestigious spaces with medium traffic.

Nesite stands out for the production of raised floor with natural stones such as marble and granite.

In our factory the covering is coupled to the panel core, rectified in line, edged and bevelled. The result is a panel with dimensions that respect the modularity of the raised floor and allow an easy handling, thanks to the protection side in ABS.

Nesite, furthermore, is specialized in the realization of panels in special dimensions, customized on the project requests.





PARQUET

high class collection

The parquet raised floor is able to give warmth and elegance to any space.

Flooring of ancient traditions, parquet is today a solution also suitable for modern spaces, thanks to the structural and aesthetic characteristics of the Nesite raised floor.

Elegance, durability and versatility are the most obvious advantages of the wooden floor, while the pleasantness to the touch and hearing are the most hidden and precious qualities of parquet.

The constant care after the installation is a necessary condition to obtain the wood's long yield and a good aesthetic result.

Ideal for executive offices and prestigious areas with medium traffic.

GLASS

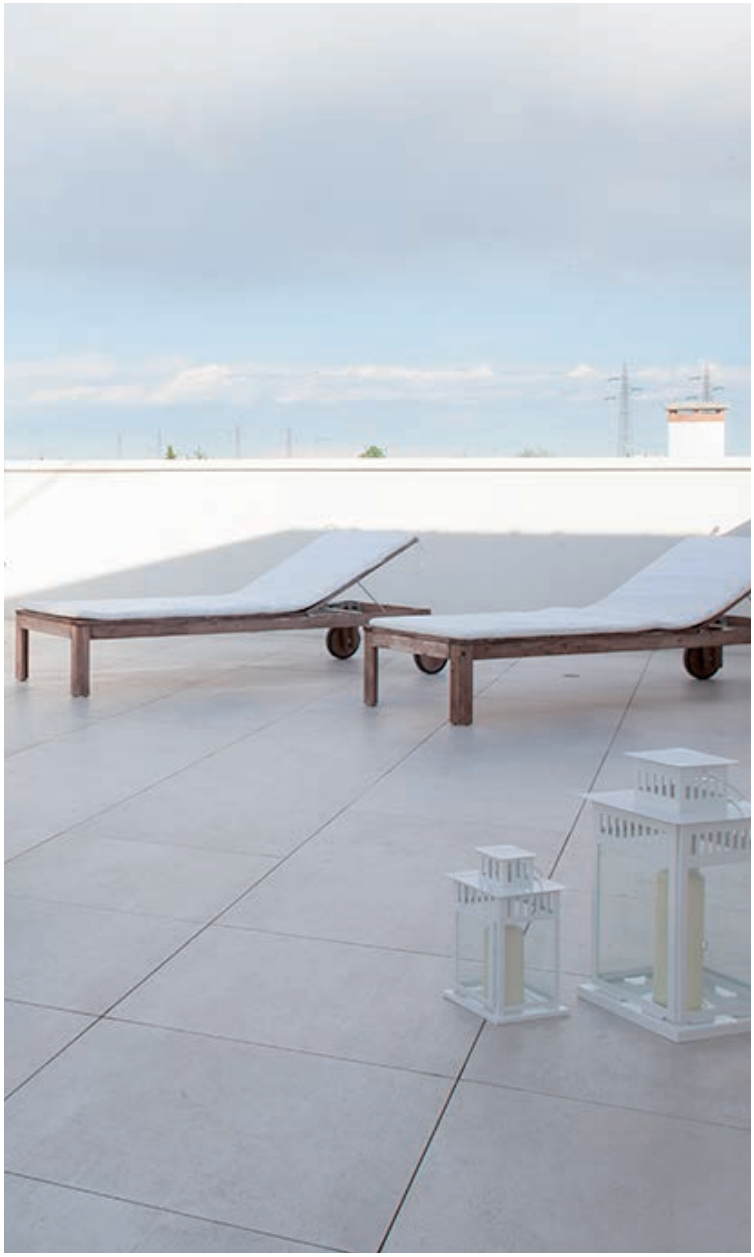
high class collection

» In addition to the standard format 60×60 cm, the panels can be supplied in special sizes.
»Ideal in museums and spaces with special architectural requirements.

The glass raised floor allows solutions of particular value, in combination with other coverings or even as main element.

Available in transparent or opaque version.

TWIN FLOOR OUTDOOR



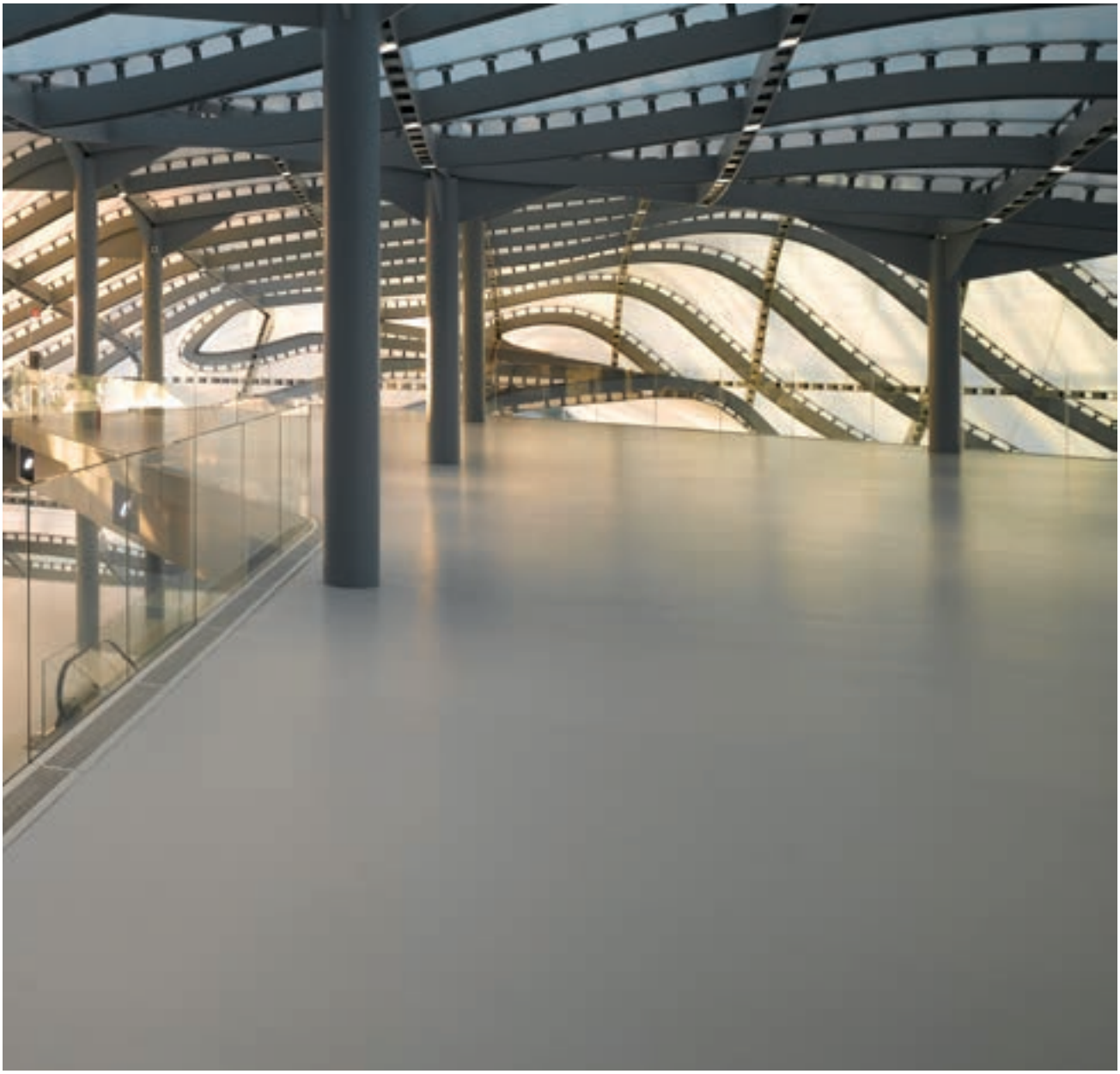
TWIN FLOOR is a very high density panel (Kg / m3 2,200), realized through a special coupling process of the ceramic or stone covering to the panel core composed of inert and inorganic materials, sintered at very high temperatures.

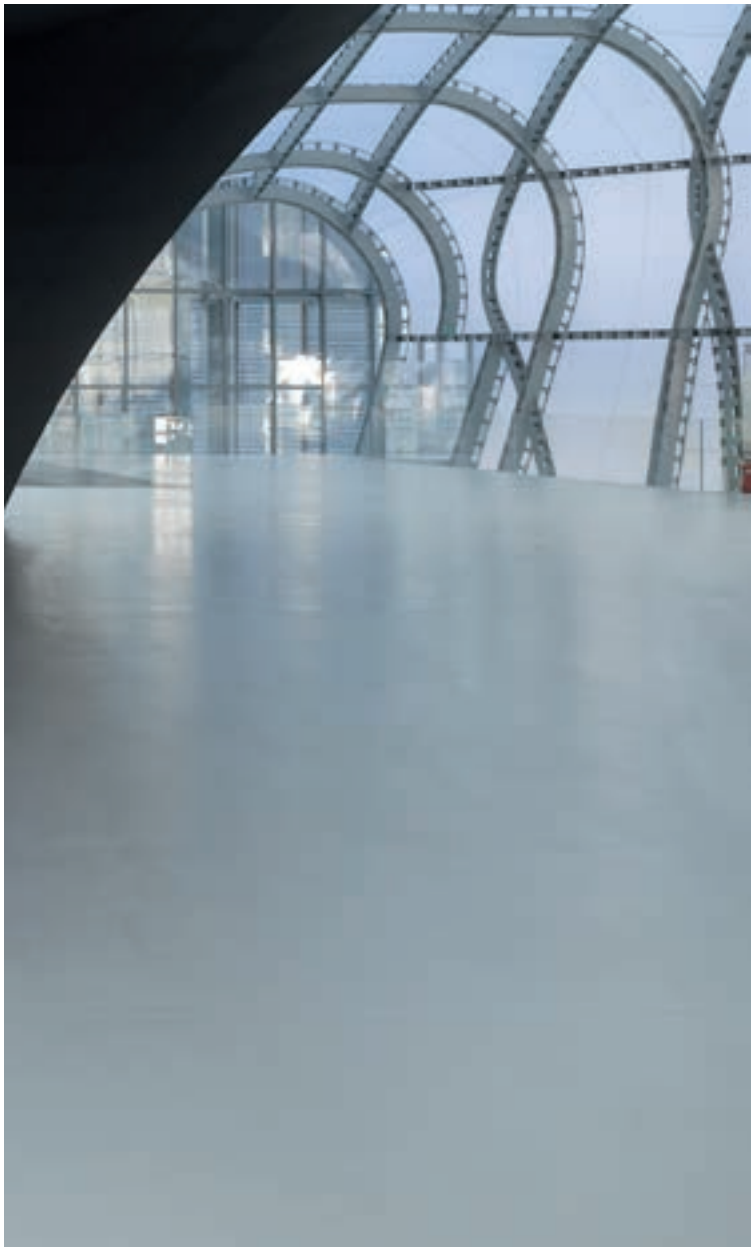
It's a floor of high mechanical performance that guarantees dimensional stability in presence of humidity, water and changes of temperature.
Ideal for paving outdoor atriums, gazebos, swimming pool contours. It can be applied dry (just laid) directly on gravel or grass, but is normally installed on PVC supports of various heights.

ADVANTAGES

» Lay the floor faster than with traditional floor and consequent time saving.
» Inspect the underfloor space easily and quickly.
» Improve the thermal insulation, thanks to the space between the raised floor and the slab.
» Ventilate the underfloor space with consequent elimination of damp and of radon gas.
» Drain the rain water, thanks to the special shape of the panel.
» High mechanical resistance, non-absorbent, fire reaction class A1.

TETRIS FLOOR





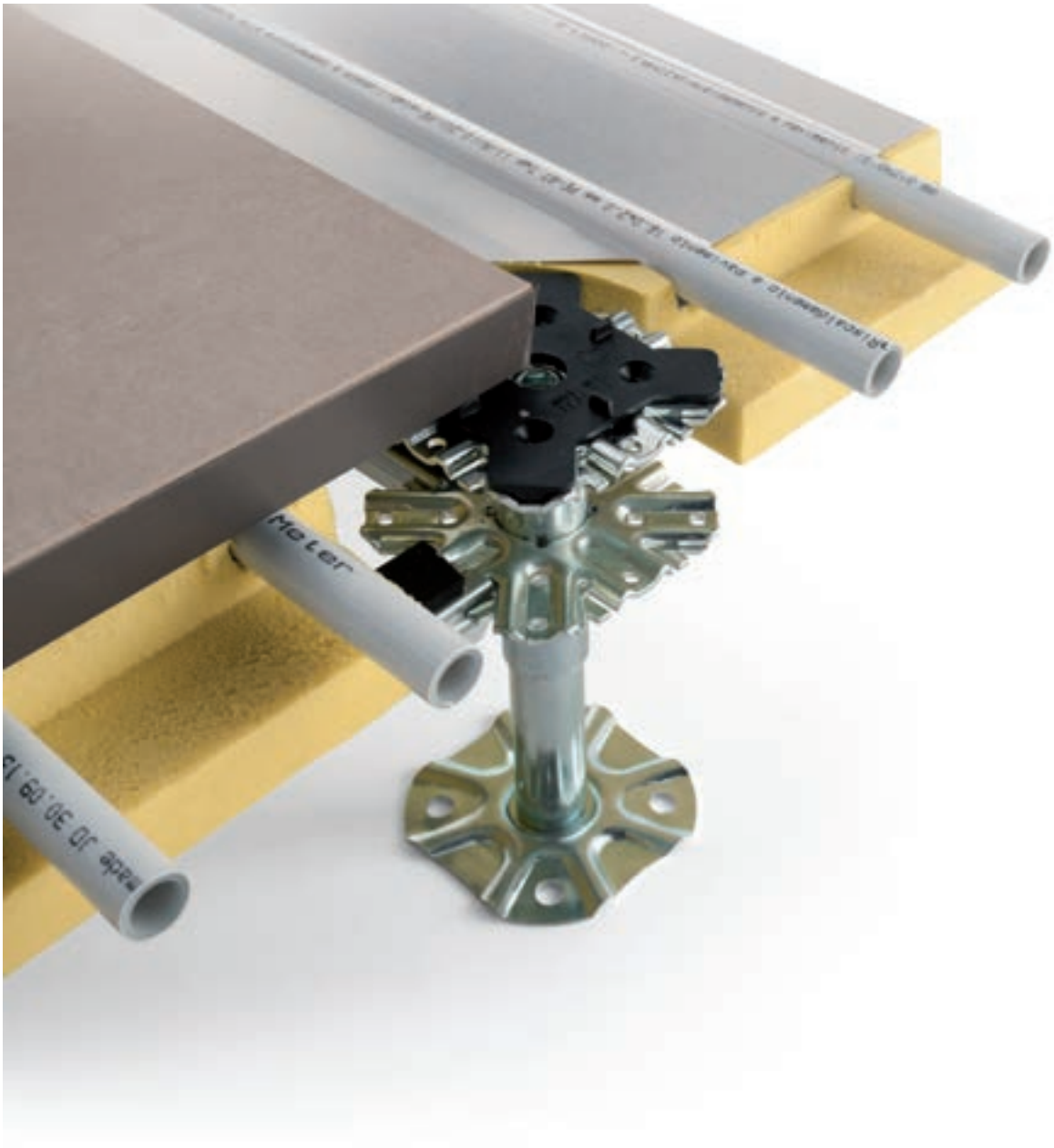
TETRIS FLOOR is the dry raised floor system with high density calcium sulphate core characterized by the tongue and groove edge.

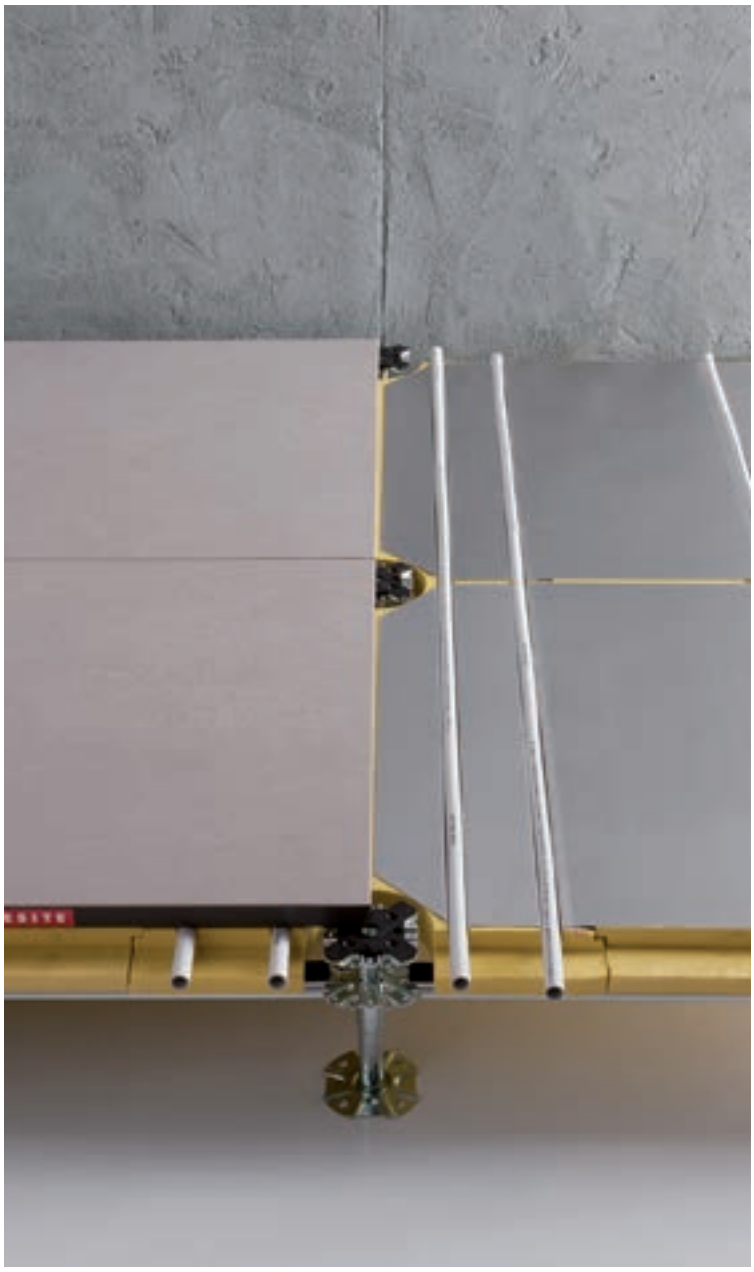
Available in various thicknesses, it allows access to the underfloor only in certain points, through access panels.

CHARACTERISTICS

» Rapid and efficient installation thanks to the dry laying.
» Great mechanical resistance thanks to the hardness of the tongue and groove system.
» Surface smoothness.
» Fire resistance class REI 30 (according to UNI EN 13501-2)
» Acoustic insulation.
» It can be finished with any type of top covering, loose - laid or glued.
» Possibility to install dry walls directly on the Tetris Floor, as well as to install ramps, steps and terracing (es. auditorium).

DIFFUSE





DIFFUSE is the first patented dry radiant raised access floor completely accessible, which does not require any cement screed for the thermal regulation of the space where it is installed.

It is lightweight, fast and easy to install, can be immediately walked on and has a very low thermal inertia. Diffuse was designed to optimize the highest thermal efficiency, without sacrificing the characteristics that a raised floor must ensure.

ADVANTAGES

» Rapid and efficient installation thanks to the dry laying.
» Totally accessible: each panel can be removed and repositioned without any constraint.
» No architectural limit thanks to the total lack of heating elements in the room (e.g. fan coils or radiators), for the maximum freedom and purity of design.
» No convective motion of air in the room, no alteration of air quality and reduction in the amount of dust into the room.
» High thermal performance, fast response speed and excellent temperature distribution (uniform heat up to 2.5 m high).
» Energy saving, minimum 30%.

VENICE

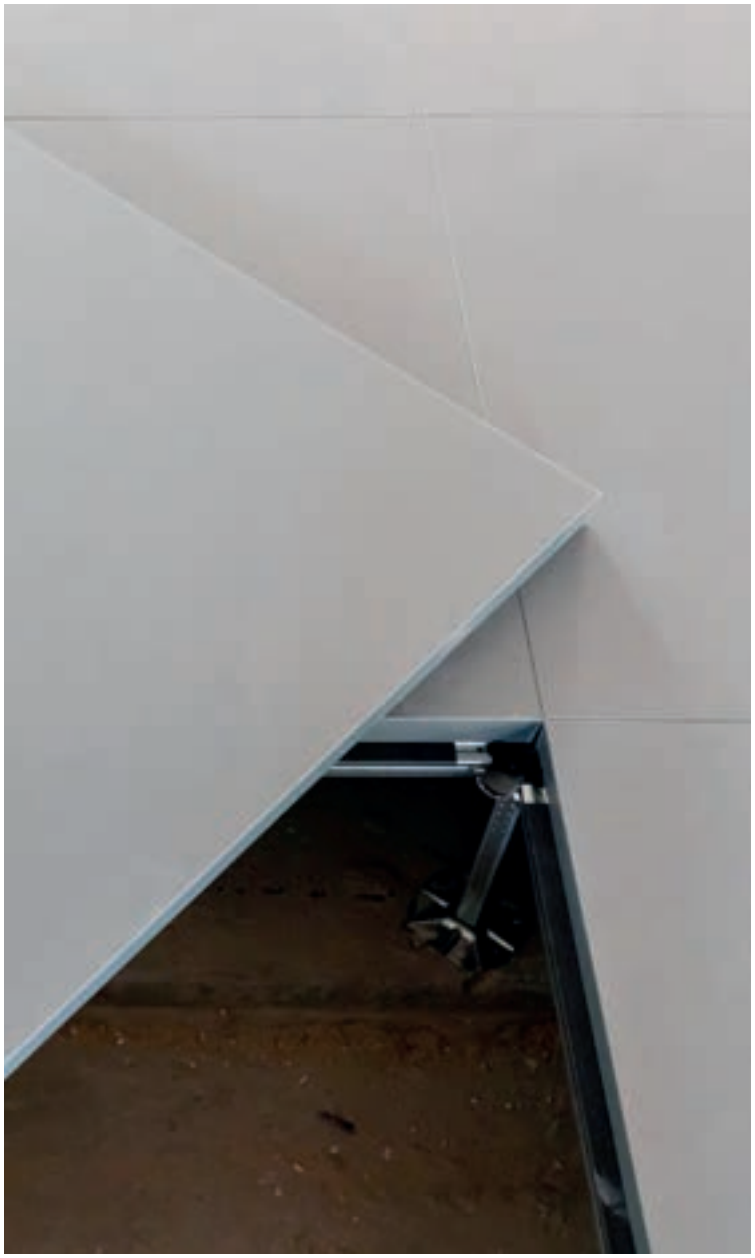
VENICE represents the perfect fusion between the functionality of the technical floor and the aesthetic qualities of the Venetian terrazzo.

Besides being a solution of high aesthetic profile, Venice offers the possibility to customize any aspect in the design phase (color, typology of stones, finishing, dimensions, thickness).
Can be integrated by patterns or any graphic element.

CHARACTERISTICS

» The special production process through vibro-compaction under vacuum determines its physical and mechanical characteristics such as high resistance to abrasion, perfect homogeneity of mixture and low water absorption.
» The large amount of stones enclosed in the tiles (over 75%) gives to the product a full, continuous, natural and precious appearance.
» It maintains its technical and aesthetic characteristics over time and can be renewed many times.
» Does not contain resins or other synthetic products incompatible with the environmental protection requirements.
» Thanks to the eco-sustainable production cycle, it contributes credits to LEED certification.

4.0



4.0 is the completely customizable raised floor finished with a pigmented heterogeneous resin which, after drying, forms an anti-scratch and shock-resistant film, which makes it suitable for medium traffic.

With 4.0 you can decide:
» Opacity (glossy, semi-gloss and opaque).
» Finishing (standard or embossed).
» Graphic elements, inserted through a particular printing process, for a further customization of the floor.

CHARACTERISTICS

» Versatility of colours and finishes.
» The color range is available in 2 versions, PLAIN (homogeneous effect) and CONCRETE (with calcium sulfate in transparency), and is possible to choose between the colours of the Nesite collection or directly from the RAL scale.
» Formaldehyde-free panel (class EN 717-1) with a low volatile content varnish.
» In the production process are used only 100% separately recyclable components.
» Contributes to obtain the LEED certification.
» Reusable at the end of the product life cycle.

JUNO

JUNO is the high-brightness LED walkable panel. designed to be part of raised floor systems.

JUNO allows you to create paths of light or highlight objects with maximum flexibility.

The finish in Solid Surface HI-MACS®, besides ensuring resistance and ease of maintenance, makes the panel elegant and refined, ideal for projects with high aesthetic impact.

CHARACTERISTICS

» JUNO is available in [PL] version, with diffused light on the whole surface, and in [SP] version, with engraving or silk-screen printing.
» Designed as decorative panel, JUNO can be customized with various texture, making each project unique.
» Composed of eco-friendly materials, it has a very low energy consumption with a minimum duration of 30,000 h and absorption of only 30 W.

APPLICATIONS

Whatever the nature of the surroundings in which they are installed, either a renovation or a new intervention, Nesite raised floors satisfy even the most sophisticated aesthetic requirements.

The realization over the years of complex and prestigious projects has allowed us to acquire a high level of competence to deal with any type of intervention, even with highly aesthetic and technical requirements.

Today, the raised floor fits also in particular contexts such as churches, museums and historical buildings, thanks to its flexibility that makes it suitable for any type of space, including residential.

Nesite has the necessary experience and know-how to propose a floor with a high aesthetic and functional value, suitable for any field of application.


credits: Luciano Carugo

thélios

total area: 3.000 sqm - typology: new hq - location: Longarone
design: Designgroup Architetti Associati studio

Launched in 2017, Thélios is a joint venture combining LVMH and Marcolin's expertise, as two groups brought together by their same vision of the eyewear future.

The new headquarter has an innovative aesthetic made of panels in weathering steel and multiple windows. With over 2,300 solar panels installed on the roof, the building is also a sustainable and eco-responsible structure.

Nesite realized the raised floor by supplying a solution made of calcium sulphate panels in various formats with ceramic top covering.

The peculiarity of the project lies in the installation, in certain areas, of a customized solution created with precise aesthetic characteristics according to the design drawing.

Every single panel of the showroom's corridor was made combining various ceramic strips of different sizes and colors, in order to obtain a refined chromatic effect, while maintaining the total accessibility of the raised floor.

ceramic covering

customized solution with ceramic strips covering

farmalabor

total area: 700 sqm - typology: new hq - location: Canosa
design: arch. Bruno Sanguigni

The new headquarters of Farmalabor, one of the most important Italian companies specialized in the production of galenic medicines, is a project by arch. Bruno Sanguini, realized through the renovation of an old factory, once used for the oil production.

The building houses both an office space and a production area, which made it necessary to install two types of flooring, each one with specific characteristics.

In the production area, the panels supplied are with calcium sulphate core and PVC top covering.
Being chemical laboratories, the panel edge trim underwent a special processing for the subsequent application of the seal that guarantees protection from risks of infiltration (Labfloor System) and, at the same time, allows the inspection of the underfloor plenum.

In the office area, instead, a floor with flamed oak parquet covering was installed. The finishing has been varnished in order to match the colors of the wooden elements of the space.

flamed oak covering

labfloor sealed system

grafiche valpolicella

total area: 450 sqm - typology: new hq - location: Verona
design: Luigi Bulgarelli Architetti studio

The new Headquarter of the Grafiche Valpolicella company is divided into four separate buildings.

The strength of the project lies in the simplicity of its concept, in the ideal tension created by the inversion of relations between empty and full, suspension and gravity, as well as in the physical and perceptive continuity between interior and exterior.

The reception welcomes the visitor in a spectacular double volume dominated by the wall behind the desk: a black monolith almost 8 meters high.

The building's simplicity is also reflected in the choice of the materials and color palette of the finishes.

The solution provided was analyzed in the smallest details, in order to fully meet the aesthetic and design requirements.

Therefore, Twin Floor Indoor was chosen, the special system with a sintered material core of high performance characteristics, with stone effect ceramic top covering, color anthracite grey, for a perfect symbiosis with the surroundings.

ceramic covering

ceramic covering

manufacturing company

total area: 600 sqm - typology: new hq - location: Torino
design: arch. Giulietta Roz

Designed by the architect Giulietta Roz, this building was one of the protagonists of the "Made in Italy wood architecture" competition.

This is a complex (offices and production area) built for an important company in Turin.

A project that, in unconventional terms, combines comfort, isolation and sustainability in a unique building.

The use of eco-sustainable materials and totally wooden coverings makes this work an exclusive complex, definitely unique outside and internally designed around a single fundamental element: the light.

Indeed the wood was chosen as finishing of Nesite raised floor, over 600 square meters of calcium sulfate panels with UV varnished oak top covering.

parquet covering

parquet covering

louvre abu dhabi

total area: 20.900 sqm - typology: museum - location: Abu Dhabi
design: atelier Jean Nouvel Paris

Designed by Jean Nouvel, Pritzker prize winner, the Louvre of Abu Dhabi is one of the world's most ambitious cultural projects.

The prestigious museum is located in Saadiyat Island's Cultural District, which will be entirely dedicated to art and culture.

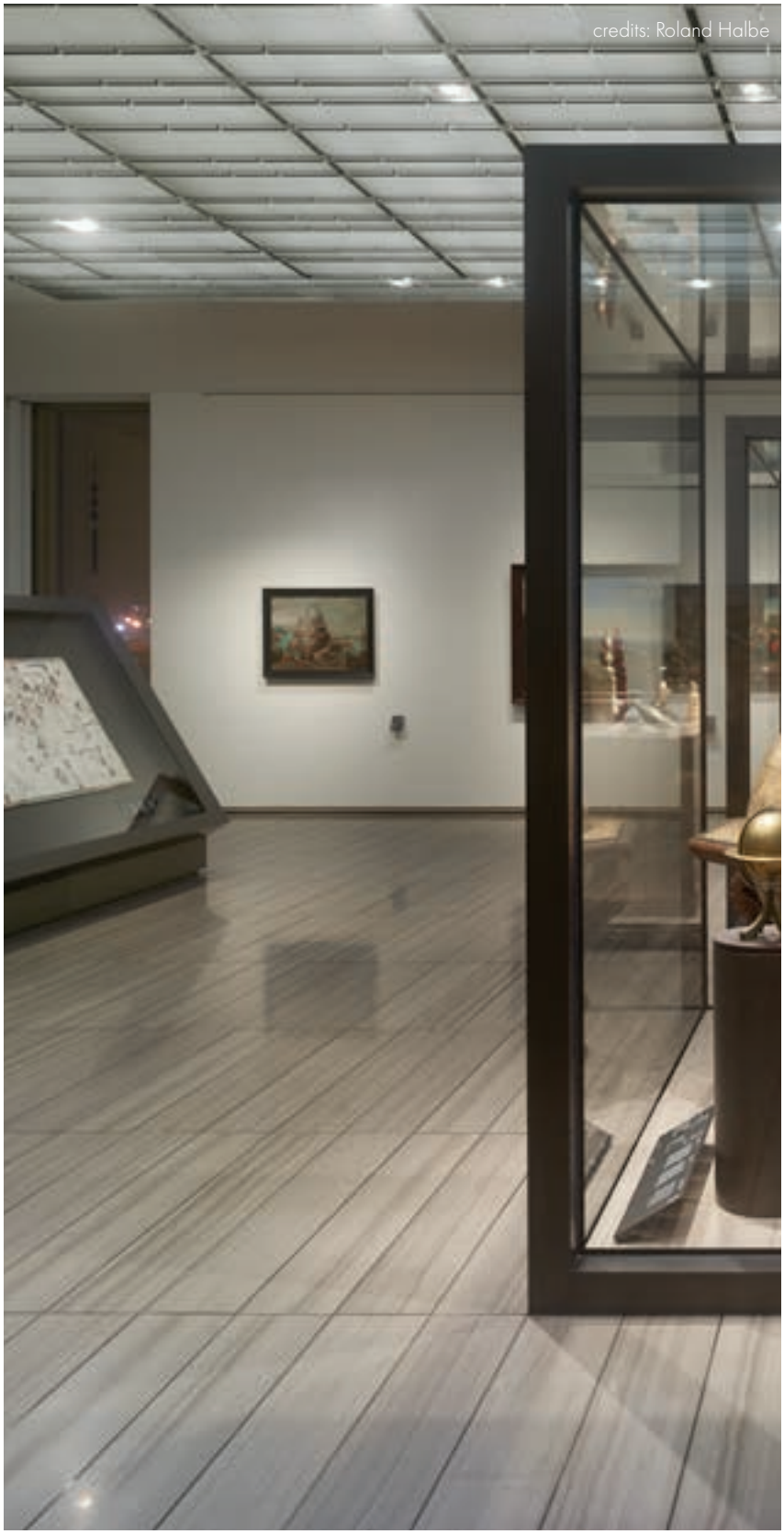
The Louvre of Abu Dhabi is a project of enormous complexity, composed of 55 individual buildings inspired by the Medina and the Arab settlements and surmounted by the characteristic silver dome.

Nesite contributed to the completion of the project by installing a highly customized raised access floor, certified as anti – seismic.

The raised floor installed inside the permanent galleries is composed of calcium sulfate panels with top coverings in different types of natural stone.
Each panel has been edge - trimmed with a special bronze frame and allows the fully access to the underfloor plenum.

The rest of the museum floor was realized with Tetris Floor, the raised floor system with high density calcium sulfate core that allows partial accessibility, with top covering in resin and natural stones.

All the materials supplied for the Louvre of Abu Dhabi have been selected to meet the project's eco- sustainability requirements, which include the LEED Platinum certification.


credits: Roland Halbe

oman stone covering

red levanto marble covering

nyu art gallery

total area: 1.000 sqm - typology: art gallery - location: Abu Dhabi
design: arch. Rafael Vinoly

The NYU Abu Dhabi Art Gallery is one of the 29 buildings designed by Rafael Vinoly, which make up the new campus of the New York University in Abu Dhabi.

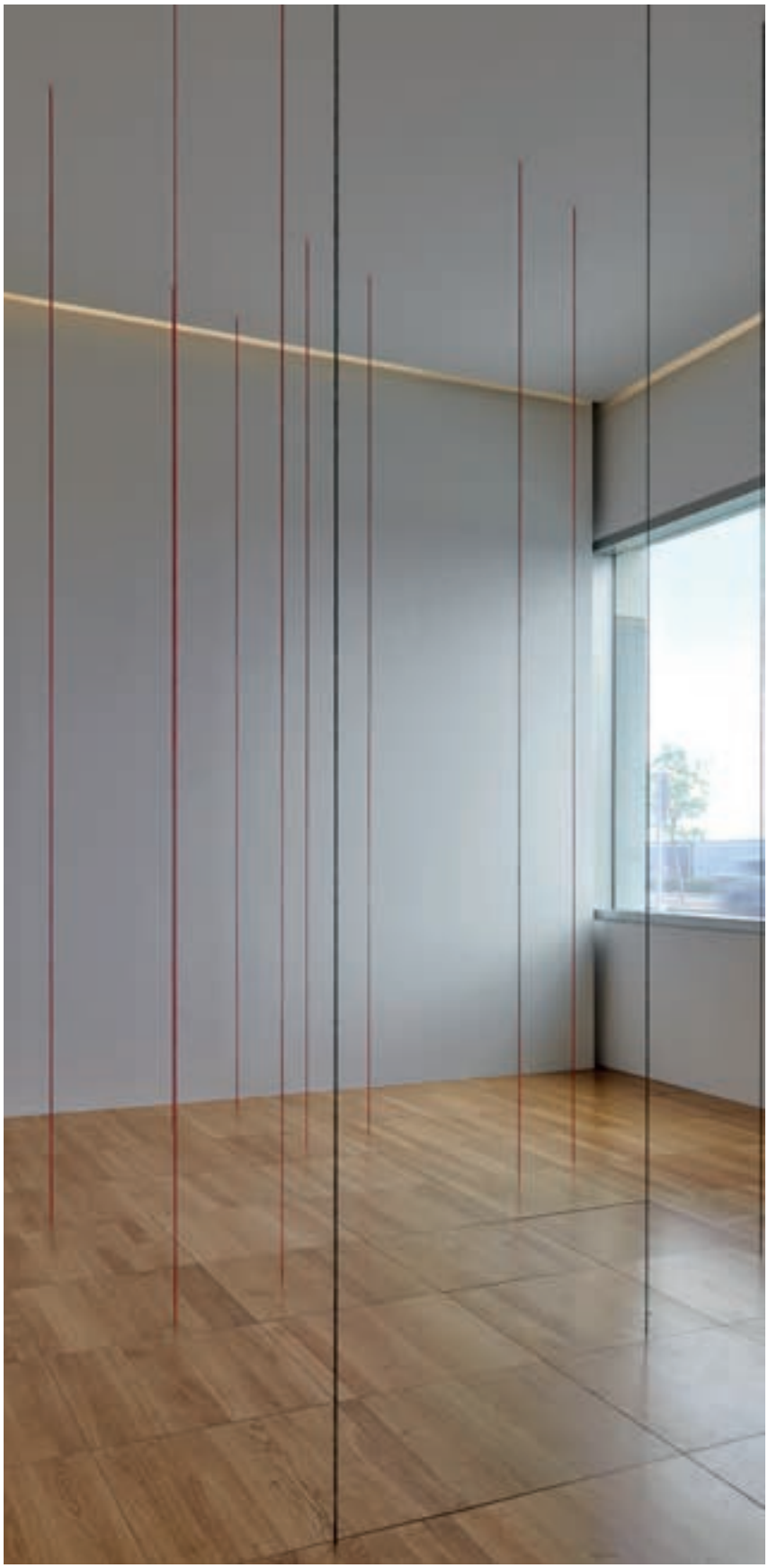
With its various exhibitions, from experimental to traditional, the gallery is the cultural reference of the "campus life".

Nesite has supplied the entire raised floor system of the university complex, an installation of about 10,000 square meters.

Specific solutions have been studied, using various finishes such as vinyl, even in its sealed version.

In order to emphasize the surroundings, in the gallery area was installed a floor with natural oak top covering, composed of panels with high density calcium sulfate core.

For the realization of the project, structures with heights of up to 105 cm were used.

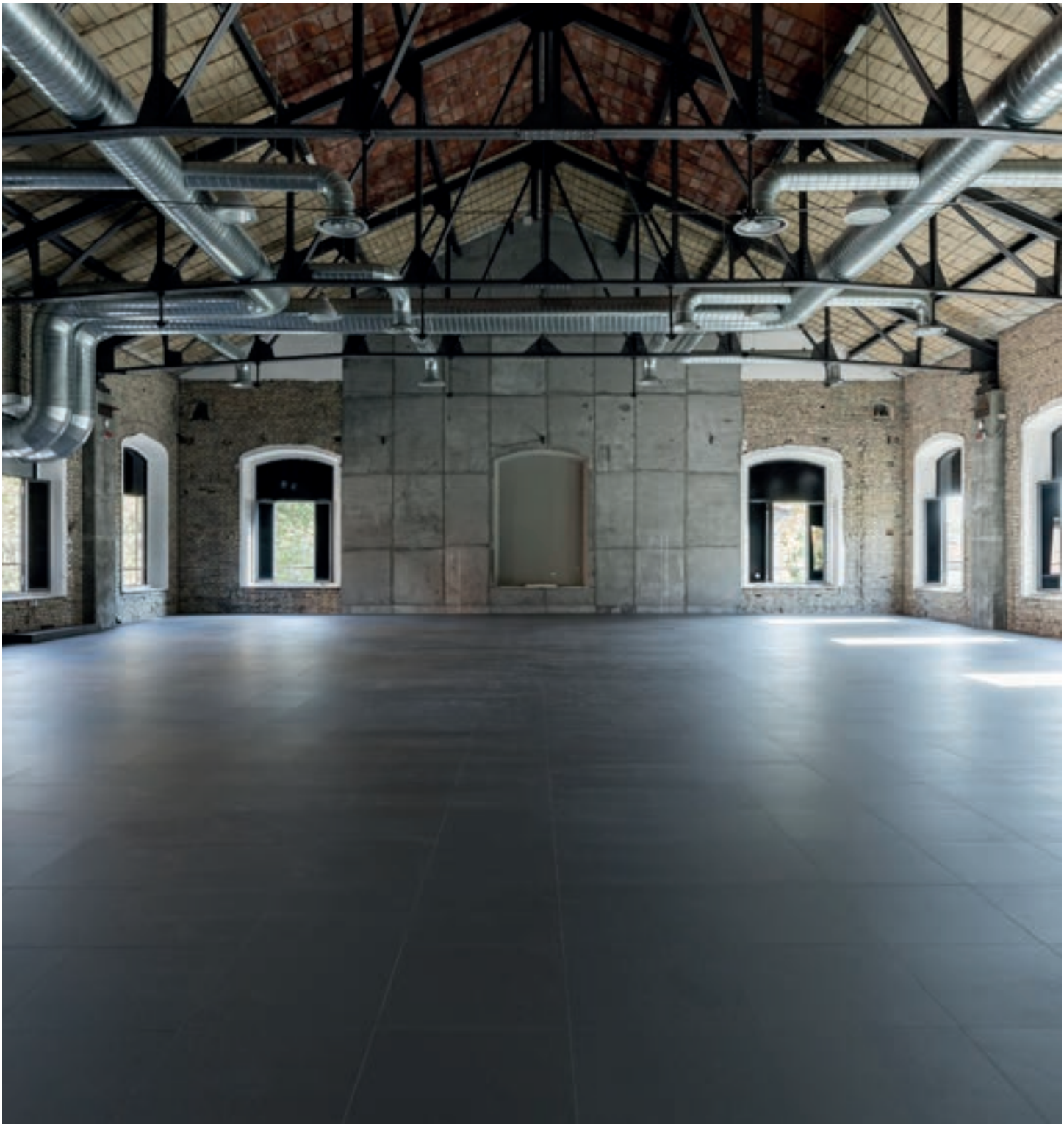


parquet covering

parquet covering

maxxi museum foundation

total area: 500 sqm - typology: art gallery - location: Rome
design: arch. Silvia La Pergola

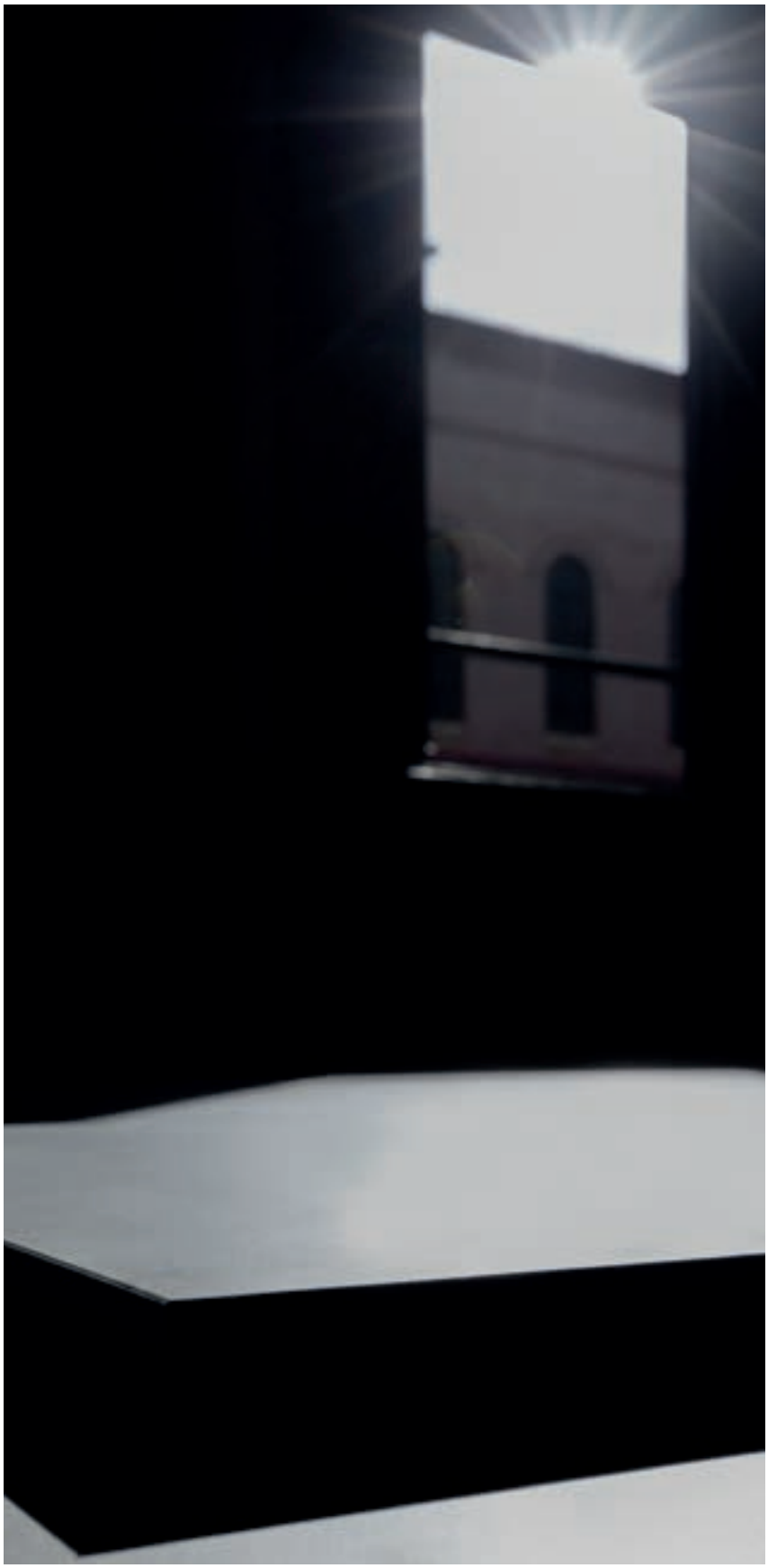


The Maxxi Foundation manages the homonymous museum, the first national institution dedicated to contemporary art.

Designed as a large container of culture where exhibitions and events of high artistic and innovative value are planned, the museum complex dedicated to contemporary arts is located in the area of the ex camp Montello, in the Flaminio district of Rome. Here, in 2010, the great architectural building designed by Zaha Hadid was inaugurated, characterized by innovative and spectacular forms.

Nesite has been involved in the renovation works of the Extra MAXXI hall, supplying and installing about 500 square meters of raised floor.

4.0 floor with opaque finish was chosen for this project, the modern and customizable solution with pigmented resin finishing.



4.0 raised floor

4.0 raised floor

the cloud

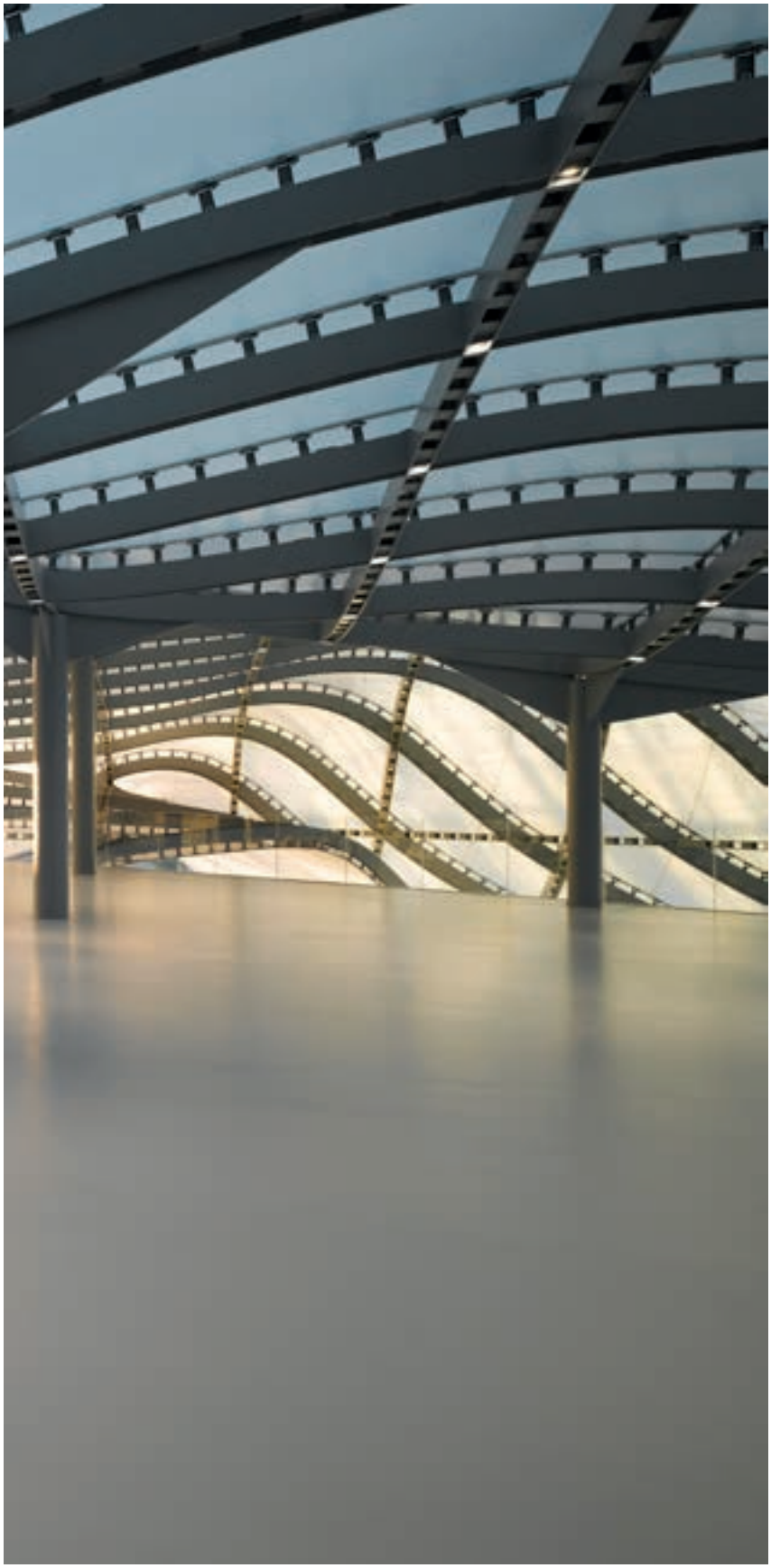
total area: 2.800 sqm - typology: convention center - location: Rome
design: Massimiliano Fuksas Architecture studio

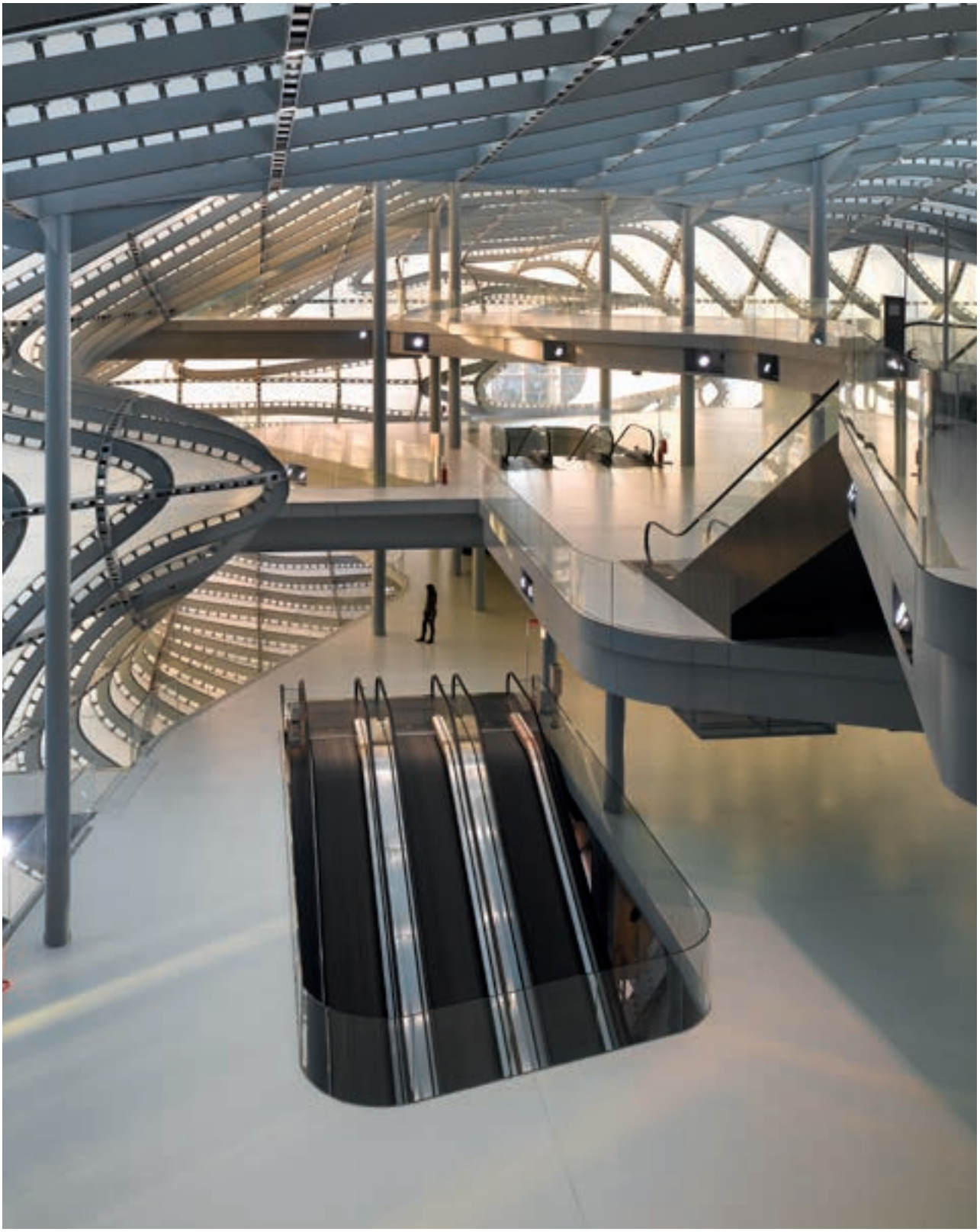
"The Cloud" is definetely the distinctive architectural element of the new Convention Center Eur S.p.a in Rome.

It's a project of extraordinary artistic value, characterized by innovative logistic solutions and choice of technologically advanced materials. The steel structure, wich offers a spectacular visual effect, is covered by 15,000 square meters of transparent resin.

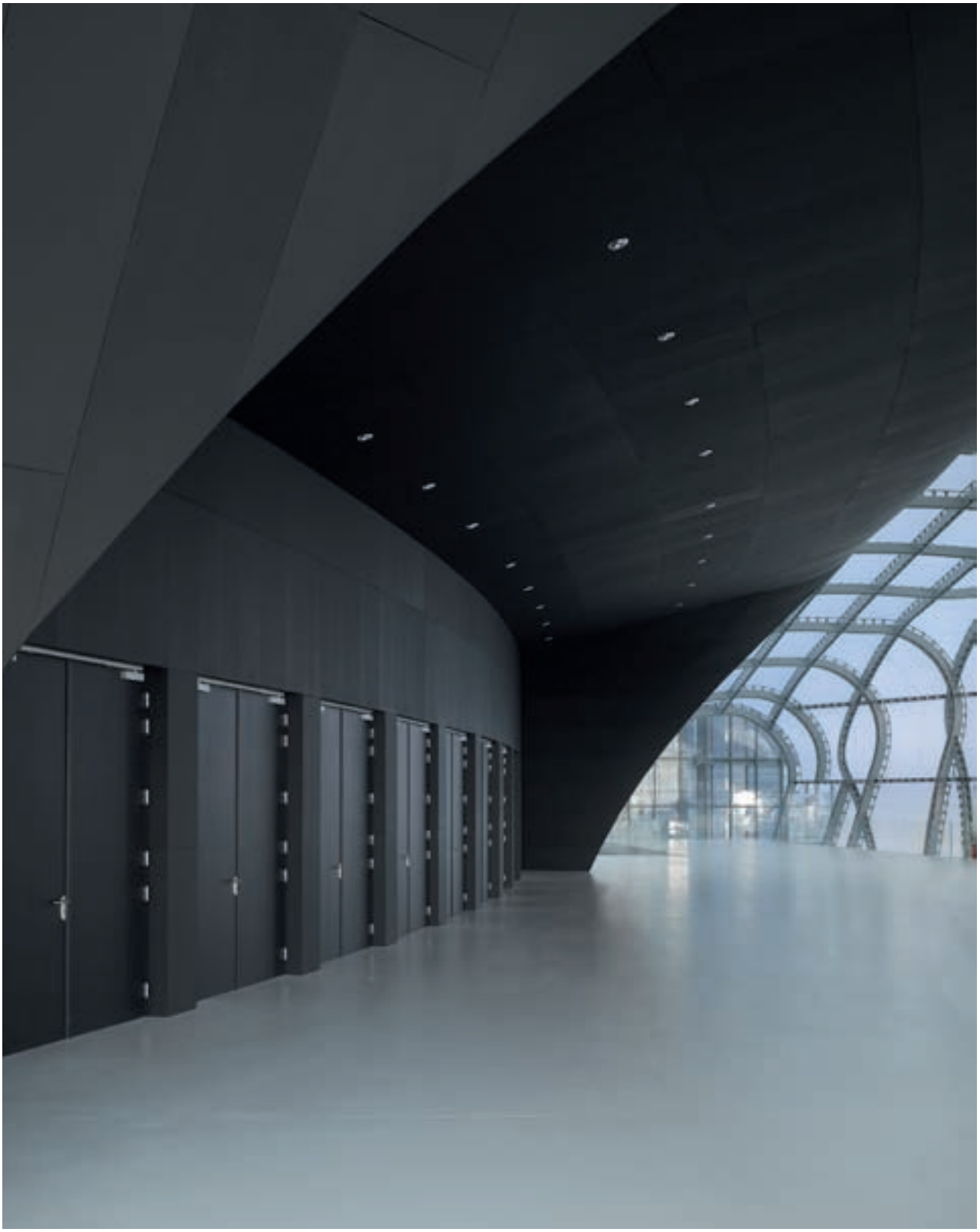
The floor supplied inside the Cloud is Tetris, our tongue and groove hollow floor system fast for installation and with excellent performance characteristics.

The panels have been equipped with a special 10 mm gasket compressed up to 5 mm, designed to contain any expansion, in order to guarantee the perfect stability of the floor and the resin covering.





tetris floor with resin covering



tetris floor with resin covering

banco popular

total area: 33.000 sqm - typology: polyfunctional center - location: Madrid
design: Arquitectos Ayala studio

Designed by Arquitectos Ayala, the new headquarters of the Banco Popular in Madrid (Abelias Building) was conceived following the "well" protocol, the standard that combines efficiency and wellness.

The building occupies an area of about 120,000 square meters dedicated to offices and services and has obtained the LEED GOLD certification.

The Banco Popular paving works involved the supply of various solutions, from the TETRIS Floor system to the calcium sulphate panels, finished with natural stones, vinyl and loose - lay top coverings.

For the project, moreover, Nesite has supplied about 5,000 square meters of raised floor composed of panels in special format (650x650 mm, 1000x650mm, 1100x650 mm and 1300x650 mm) with berrocal white marble and natural quartzite coverings.

Various types of structures have been used, with heights from 30 up to 120 cm.

natural stone covering

natural stone covering

christchurch civic building

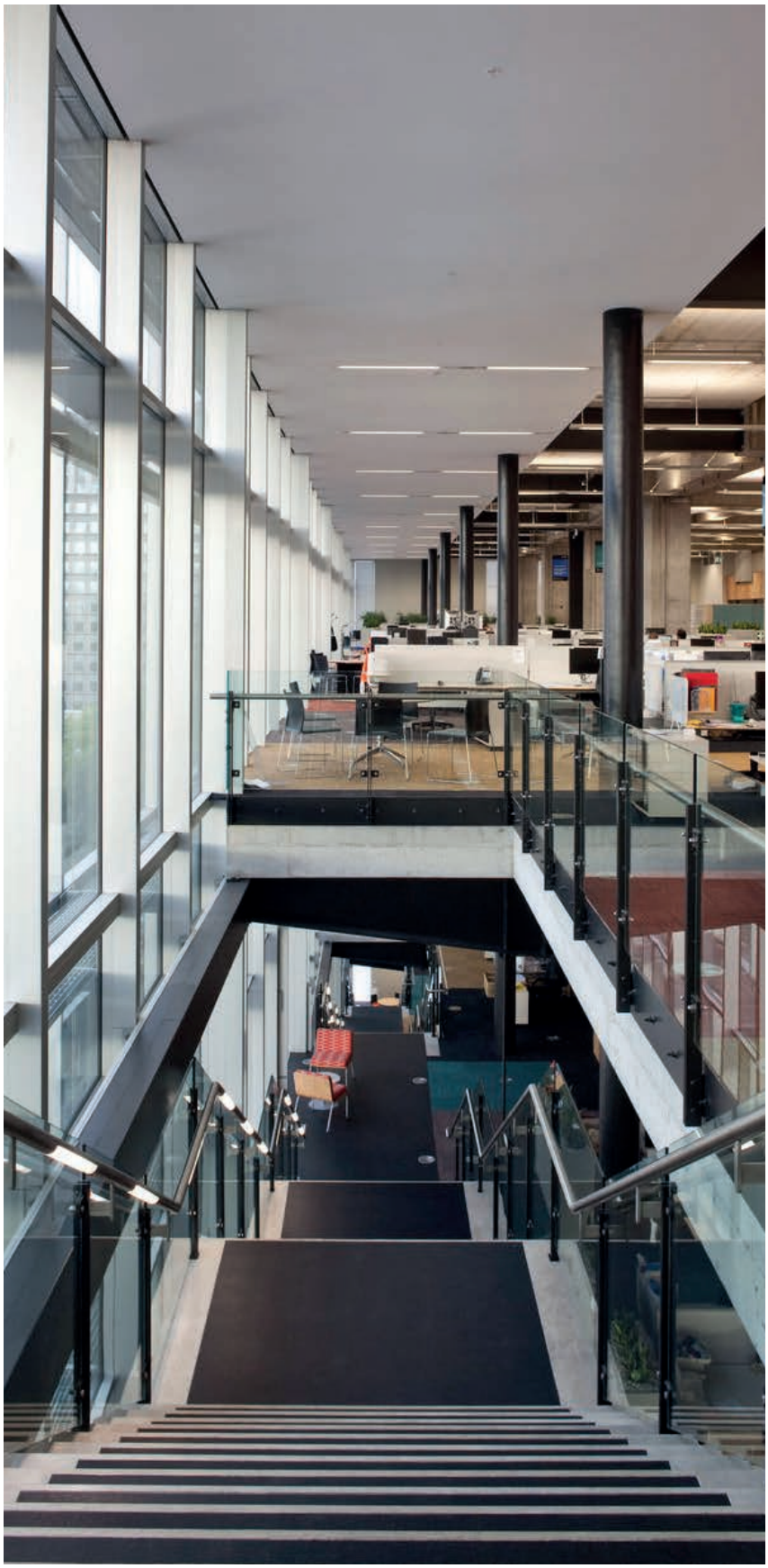
total area: 16.000 sqm - typology: renovation - location: Christchurch
design: Athfield Architects studio

Christchurch Civic Building has been defined the most eco-compatible building in New Zealand and it represents an important architectural renovation work designed by Athfield Architects.

The building uses technologies dedicated to the optimization of resources such as the mini power plant that creates energy from landfill - collected material or the recovery of energy generated by the lifting brakes.

Nesite mainly had to satisfy the seismic characteristics of the project by supplying a raised floor composed of bare panels suitable for loose - lay coverings, equipped with bracing systems and special substructures with heights up to 175 cm.

Christchurch Civic Building has received many awards and it was certified LEED Platinum.



bare panels for loose - lay coverings

bare panels for loose - lay coverings

trieste airport

total area: 2.000 sqm - typology: airport - location: Trieste
design: Lombardini22 studio

credits: Dario Tettamanzi

Trieste airport, with the inauguration of the intermodal pole, is the first airport connected to the railway line in the northeastern region.

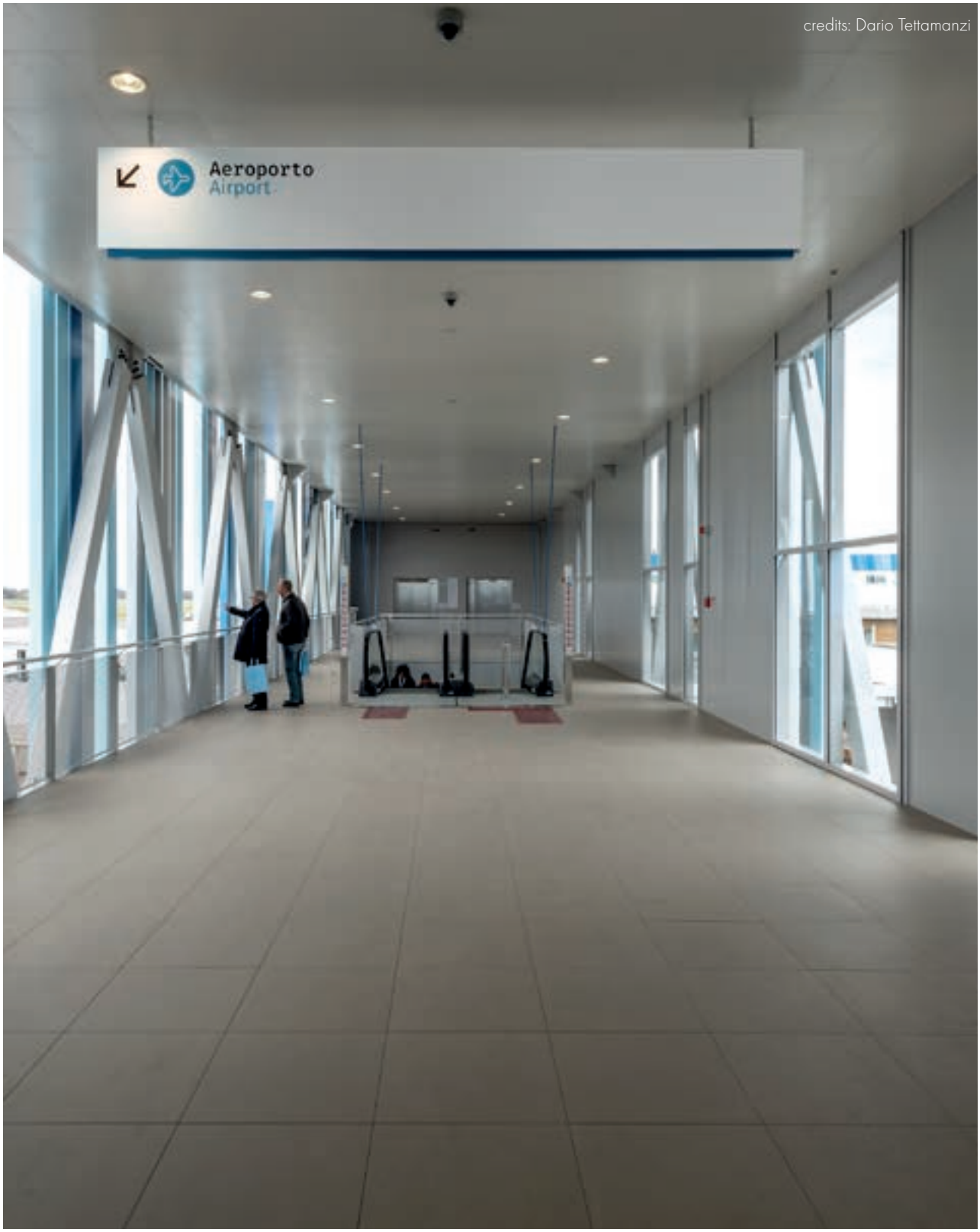
The project has included the realization of a set of works aimed at transforming the new infrastructure into a modern terminal, in compliance with the European standards.

Nesite's raised floor was choosen to complete the 425-meter elevated walkway, pedestrian bridge between the airport and the pole's facilities; in this case, a specific solution for outdoor was supplied and installed (Twin Floor Outdoor system).

A special process of the panel has been carried out for this project, using specific chemical anchors that guarantee and maintain the properties of the flooring unaltered over time.


credits: Dario Tettamanzi

twin floor outdoor



credits: Dario Tettamanzi

twin floor outdoor

s.michele church

total area: 1.000 sqm - typology: renovation - location: Milan
design: arch. Luigi Corti

The Church of S. Michele and S. Rita in Milan represents a work of conservative renovation by arch. Luigi Corti.

The Diffuse radiant system has been fundamental in the renovation of the building, revealing itself as a non-invasive technical solution able to fully satisfy the design requirements.

The Diffuse radiant system installation has allowed:

- the preservation of the original flooring, which has remained intact in its entirety.
- use of the raised floor advantages (versatility, inspectability, easy maintenance, etc.) thanks to the dry laying.
- functional and energetic improvement of the building, thanks to the high efficiency of the radiant panels.

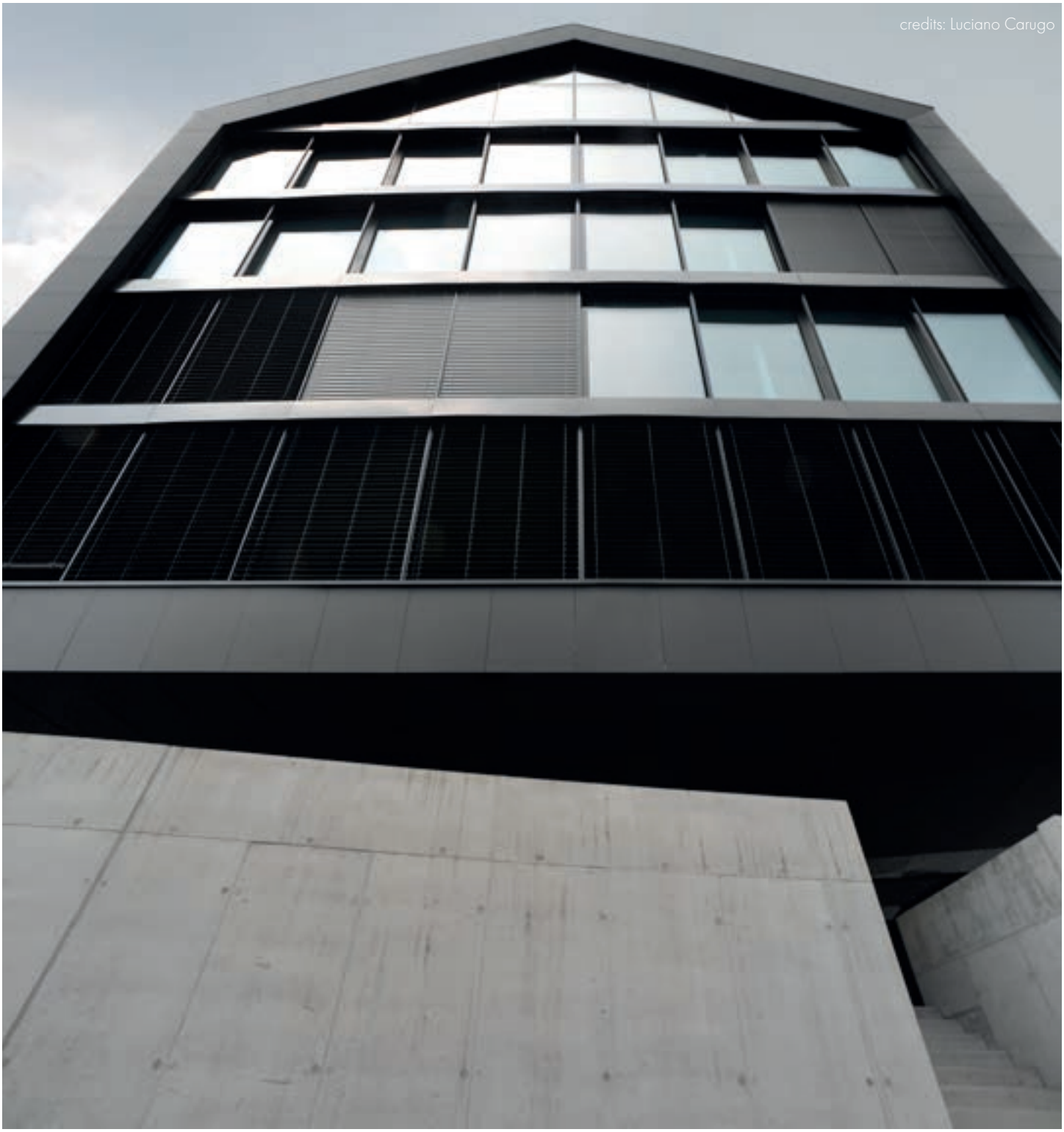
The project was completed with the realization of a design in the liturgical area, in order to reproduce the original floor's pattern.

diffuse system - stone effect ceramic covering

diffuse system - stone effect ceramic covering

deltarosso by deltazero

total area: 1.500 sqm - typology: residential complex - location: Vacallo
design: deltaZERO studio


credits: Luciano Carugo

Designed for the maximum reduction of polluting emissions, deltaRosso is the high-tech residential complex, built to reach the deltaZERO standard (zero consumption and zero emissions).

The project occupies an area of 1,500 square meters for a total of 16 apartments obtained from a single volume and is characterized by high class finishings, equipped with the most advanced technologies for living comfort.

The building has been completed with the Diffuse system, chosen thanks to its performance characteristics such as the perfect thermal insulation able to guarantee an energy saving of more than 35%.

DeltaROSSO is certified Minergie P, a green construction standard with very strict requirements, which requires efficient energy use while improving the quality of life.


credits: Luciano Carugo

diffuse system - ceramic covering

diffuse system - ceramic covering

doragno castle

total area: 400 sqm - typology: renovation - location: Doragno
design: deltaZERO studio


credits: Luciano Carugo

Doragno represents a work of renovation, expansion and transformation of an ancient medieval castle.

In this project deltaZERO studio wanted to restore "the soul of the castle", by preserving its ancient part and integrating the medieval part with modern elements.

The building, used as private residence, is a construction of very low environmental impact, equipped with the best technologies.

Again, the Diffuse radiant raised floor contributed to satisfy the energy efficiency requirements of the project.

The porcelain stoneware covering and the 60x120 cm size chosen by the customer give a refined and elegant look to all the spaces.


credits: Luciano Carugo

diffuse system - ceramic covering

diffuse system - ceramic covering

55 years

of story and experience

6 000 sqm

of production area

over 12 000 000 sqm

of raised floor installed
all over the world

400 000 sqm

of production capacity
per year

over 12 000

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