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INTERNATIONAL

n. 26

May 2021

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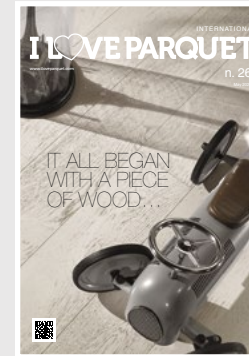
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Original Parquet
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Editor
4PUNTOZERO Srl
Via Console Marcello 8 - Milano
Tel. +39 02 39265461
Fax +39 02 45497579
info@4puntozero.it

Editor in chief
Federica Fiorellini
fiorellini@4puntozero.it

Editor
Davide Vernich
vernich@4puntozero.it

Editorial staff
Anna Baroni, Franco Bulian, Tito Franceschini, Eleonora Mazzola, Chiara Merlini, Clara Peretti

Art Direction
Cremonesi & Co Srl
info@robertocremonesi.it

Layout
Giuliana Garlaschelli
garlaschelli@robertocremonesi.it

Advertisement Director
Luciano Dorini
dorini@4puntozero.it

Accounting and Administration
Lara Papetti
lara@4puntozero.it

Secretariat
Jacqueline Davis
info@4puntozero.it



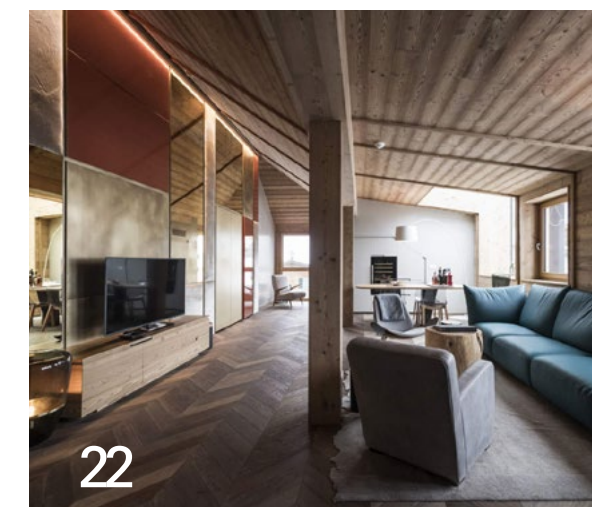
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I LOVE PARQUET

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IMPRESSION
Rovere Eranthe
woodco.it

WOODCO
STORIE DI PARQUET

LET ME TELL YOU A STORY IT ALL BEGAN WITH A PIECE OF WOOD



"Aren't you fed up of talking about wood?", our readers will say. The answer is no. This is the stuff we love, we know about, we have chosen to talk about in the pages of this journal (for eight years).

Since the first issue of I Love Parquet a lot has changed. I think it is still essential to offer technical content and a 'feast for the eyes', as well as encouraging community spirit and creating connections. However, today we have to do it differently, adapting the narrative to the new normality. The new normal has meant that here we spend more time at home, we have rediscovered the value of time and we have learned to separate what counts from what is not really important and to choose products which guarantee loyalty, safety and sustainability. Because we have understood that

the health of the Earth and the health of mankind are inseparable. I think that today we have to tell the story of parquet as a product which is reassuring and safe. We have to know how to say, like the FEP did in its last campaign, that everything made of wood is a 'storage tank' for CO₂, that parquet (potentially) has a very low impact on climate change and is completely recyclable. That it is hygienic and antiallergenic, hard-wearing and economical. A sustainable product is not a poor copy of a non-sustainable one, but, on the contrary, is aesthetically stronger and more pleasing. And even more poetic.



Orlando Convention Center
Orlando, Florida
7 - 9 July 2021
nwfaexpo.org / coverings.com

DOUBLE OPPORTUNITIES

Registration is now open for the 2021 NWFA Wood Flooring Expo, being held July 7-9 in Orlando, Florida, at the Orlando Convention Center. This year, NWFA and the Coverings international tile and stone exhibition organizers are co-locating to simultaneously bring attendees the NWFA's 2021 Wood Flooring Expo and Coverings 2021. The NWFA Wood Flooring Expo is the largest tradeshow and conference worldwide dedicated exclusively to real

wood flooring. Coverings is the largest international tile and stone exhibition and conference in North America. Both shows offer hundreds of exhibitors on the show floor and numerous educational opportunities to enhance attendees' industry knowledge. NWFA's Wood Flooring Expo will be held in the Orlando Convention Center South Hall. Coverings 2021 will be held in the North Hall. Attendees who register for either event will have access to both exhibit halls.

SALONE DEL MOBILE IS BACK



Salone del Mobile 2021
Fiera Milano - Rho (Milan)
5 - 10 September 2021
salonemilano.it

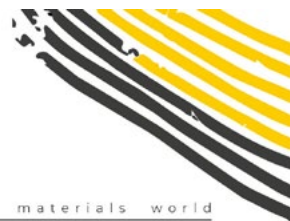
An innovative, iconic and unique edition. The fifty-ninth edition of the Salone del Mobile.Milano will be held from 5th to 10th September 2021. It will be an all-new event, focused on promoting the companies' latest products, technologies and projects. It will pick up "the threads" of a conversation interrupted in person, whilst leaving relationships and contact with the market, professionals, clients and fans in their own right intact. The plan for the 2021 event - which was initially announced to the Presidency of the

Council of Ministers and subsequently to all the Italian national and the territorial institutions, and shared with our long-term partner Fiera Milano - will be entrusted to and coordinated by an internationally -renowned curator and will strive to bolster links, relationships and concrete activities with the financial and social fabric that recognises the centrality and importance of the Salone del Mobile.Milano. The Salone, which is open to all exhibiting international and Italian companies, will be held at Rho Fiera Milano, and will feature exhibitions and thematic events integrated with products and novelties of the last 18 months, which will dialogue with the all-new digital platform shortly to be unveiled. All the prevention and safety directives and ordinances regulating trade fairs will be observed and adhered to.



SIGNATURE
Rovere Naturale | Arrow
woodco.it

WOODCO
STORIE DI PARQUET



living in a materials world
29.09.2021 - 02.10.2021
RIMINI EXPO CENTRE - ITALY

Superfaces 2021

Rimini Expo Centre - Rimini
29 september - 2 october 2021
en.superfaces.it

ALL THE LATEST SURFACE TRENDS

The countdown has officially begun to Superfaces, the new multi-sector exhibition organised by Italian Exhibition Group and devoted to the world of surfaces for interior design, architecture and contract furnishing to be held from 29 September to 2 October 2021 in the Rimini Exhibition Centre. The run-up to the show will be accompanied by a series of branded content initiatives and webinars, a road map created by Superfaces

for exhibitors and visitors which will offer in-depth analysis of topics of interest to architects in collaboration with some of Italy's most important architecture firms.

Aimed at an audience of architects, retailers, distributors and contractors, Superfaces is intended as a marketplace for resilient surfaces, vinyl, resin and concrete, wood and natural fibres, and in general all latest-generation solutions produced using innovative processes or new combinations of materials.



Biennale Architettura 2021

Giardini, Arsenale, Forte Marghera - Venezia
22 may - 21 november 2021
labiennale.org

HOW WILL WE LIVE TOGETHER?

Open to the public from Saturday 22 may through Sunday 21 november 2021 at the Giardini, the Arsenale, and Forte Marghera, the 17th International Architecture Exhibition titled "How will we live together?" is curated by Hashim Sarkis and organized by La Biennale di Venezia. The preview will be held on 20 and 21 may, the inauguration ceremony will take place on saturday 22 may 2021. The international exhibition includes 112 participants from 46 countries, with a

growing delegation from Africa, Latin America and Asia and with a wide female representation. The event is organized into five scales, three are exhibited in the Arsenale and two in the Central Pavilion: Among Diverse Beings, As New Households, As Emerging Communities, Across Borders, As One Planet. A part of the exhibition is titled "How will we play together?", a contribution by 5 international participating architects who have designed a project dedicated to children's play, on exhibit at Forte Marghera and open to the public.



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MADE expo 2021
Fiera Milano - Rho (Milan)
22 - 25 november 2021
madeexpo.it

AUTUMN EDITION

Italy's leading construction industry trade show, the top event for understanding and interpreting market expectations, is moving from march to november. It will be held from 22nd to 25th november 2021 at Fiera Milano (Rho), just eight months later than its original date, hoping that the shift to november will be enough to overcome the pandemic and truly represent a global restart. The construction sector already represents the key to the revival of the economy, and this period of time will not only allow for the consolidation of the positive growth trend of

the sector, but will also be essential for dealing with the health emergency with the necessary instruments and treatment. MADE expo, which for the first time will be organized directly by Fiera Milano, through the company Made Eventi Srl, owned by Fiera Milano (60%) and FederlegnoArredo Eventi (40%), is focusing on november to express the full potential of building sector well represented by the leading international trade show, and to give voice to a building community represented in Italy by over 700.000 companies and more than 1.000.000 employees.

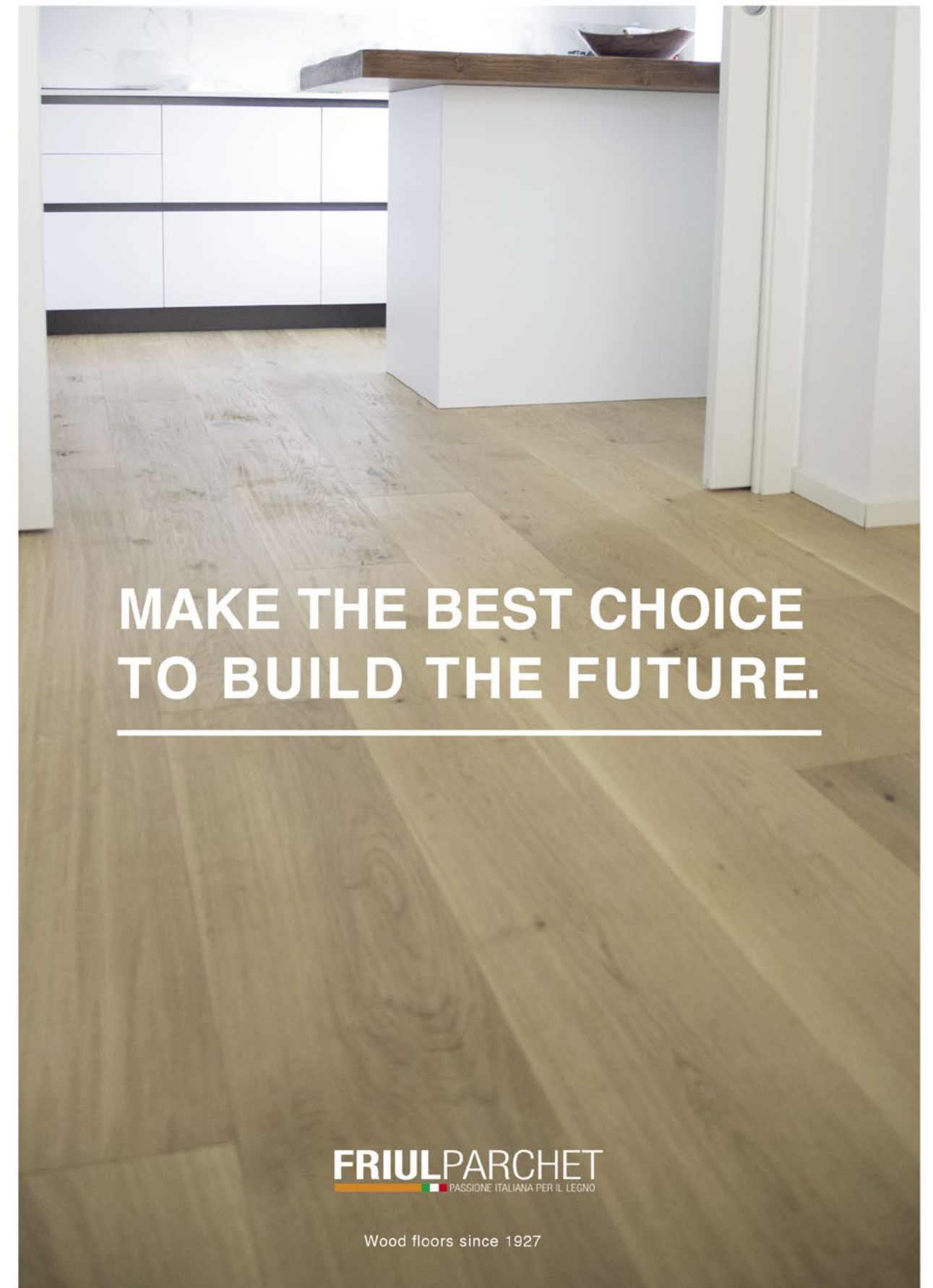


Domotex 2022
Deutsche Messe - Hannover
13 - 16 january 2022
domotex.de

COUNTDOWN

With eight months to go until Domotex 2022, it is already apparent that the 33rd edition of the world's most important trade show for carpets and floor coverings will be a strong and innovative event. Domotex will feature several innovations from january 13 to 16: a modern and optimized design of the two newly introduced Domotex labels "Carpets & Rugs" and "Floor & Wall" as well as an adapted hall structure will facilitate orientation. The expanded range of products and services increases efficiency. In addition, Domotex focuses even more on application and special formats tailored to specific target groups that increase for atmosphere

and relevance. "We will present trends, innovations and lifestyle in a decentralized way in the respective display areas - says Sonia Wedell-Castellano, global director Domotex, Deutsche Messe AG, Hannover -. Exhibitors and attendees can look forward to many innovative ideas. They can discover trends and innovations that will shape tomorrow's business. We are particularly pleased with market-relevant exhibitors that we have been able to 'reconquer' for the upcoming event. Being able to meet the entire flooring industry face-to-face again in Hannover in January 2022 is a real highlight after the long pandemic! This makes the preparations even more fun".



It's been 15 years since we have started an awareness campaign focused on reforestation, from that moment our attention has been turned to eco-environmental problems and to the future of the green sources of our planet. Idea is very simple:
replant the same quantity of trees needed to produce our wood floors.

EUROPEAN PARQUET MARKETS ARE FACING DIFFICULT RAW MATERIALS SUPPLY CONDITIONS



The Board of Directors of the European Federation of the Parquet industry met virtually and discussed amongst others the parquet situation on the European markets. The European parquet markets had generally slowly started the year with stable to slightly increasing consumption in January and February. This positive trend is now accelerating in March and April, still driven by renovation. The provisional results for the first quarter indicate increasing parquet consumption in all countries but Spain. These positive developments are nevertheless tempered by the issue of tight supplies of raw materials and their significantly increasing costs. This phenomenon does not only concern wood and wood-based products but also glues, lacquers, packaging, etc.



AUSTRIA

The Austrian parquet market is performing well (+10% for the 1st quarter 2021 compared to the same period in 2020), although there are worries regarding the shortages and increasing costs of all raw materials.



BALTIC STATES

Baltic countries' parquet markets rose by 3 to 5% during the first quarter of the current year.



BENELUX

Parquet consumption on Benelux markets has increased by 3% compared to the 1st quarter 2019, and order books are full for the coming months.



FRANCE

Compared to the first three months of 2019, parquet consumption rose by 3 to 5% during the first quarter 2021. The French parquet market is stable to increasing despite tight supplies of raw materials, especially wood, which could hamper this positive evolution in the coming months.



GERMANY

January and February have been quiet months on the German parquet market due to the closure of DIY shops in most of the Landers. Nevertheless, the situation has improved in March and is now booming in April. Renovation is still driving the positive trend while, as throughout Europe and beyond, availability and costs of raw materials are an issue.



ITALY

Italian consumption of parquet has been stable at the very beginning of 2021 and is now increasing in March-April. Forecasts from September to the end of the year are pretty optimistic thanks to construction and renovation activities. However, costs of raw materials are significantly rising.



NORDIC CLUSTER

The Norwegian parquet market continues to benefit from the high renovation rate while the Finnish market is catching up. All in all, the Nordic cluster is showing an increase by 3 to 5% for the first quarter 2021 compared to the same period in 2019.



SPAIN

The Spanish market for parquet slightly declined (-2%) during the first quarter of 2021 but is improving in April. Nevertheless, forecasts are not that optimistic and raw material is also here problematic with shortages and high costs.



SWEDEN

Parquet consumption increased by 3 to 5% during the first quarter 2021 compared to the first quarter 2019. Renovation is still supporting the Swedish market for parquet although raw materials costs are staggering and could have a negative impact in the future.



SWITZERLAND

The long-awaited increase of the renovation rate and use of wood in renovation is now taking place, supporting the Swiss parquet market which rose by 3 to 5% during the three first months of 2021 and compared to the 1st quarter 2019. The question is whether this positive trend is sustainable in time. Issues of raw materials availability and costs concern specifically HDF and other wood-based panels.

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BAUWERK: SUCCESSION PLANNING FOR CEO KLAUS BRAMMERTZ

The longtime CEO of Bauwerk Group, Klaus Brammertz, will hand over his responsibilities to Patrick Hardy at the end of 2021 and take up his seat in the Board of Directors of Bauwerk Group. Simultaneously with the handover,



he will take up his seat in the highest organ of the Bauwerk Group as a member of the board of directors, thus continuing to make his knowledge and rich experience available to the Group. The designated successor Patrick Hardy, Swiss and Dutch citizen, holds a master's degree in business

administration and has gained international professional experience in various companies. He has held senior sales, marketing- and general executive positions at Bally, Swarovski and for 11 years at Victorinox, where he has been a member of the Executive Board for 3 years as Chief Sales Officer. Klaus Brammertz on his 12 years as CEO: *"It was a great privilege to accompany the group in its development as Europe's leading developer, producer and supplier of parquet floors in the premium segment. Navigating the company and its employees through the strategically and structurally required adaptations in production, supply chain and shared services as well as the expansion of our location in Croatia was challenging, but I have always enjoyed it. I would like to thank all our employees for their great cooperation and ask them to welcome Patrick Hardy and to support him in a proven manner."*

UNILIN ADDS PRESSED BEVEL TECHNOLOGY TO LICENSING PROGRAM

Unilin Technologies introduces its patented Pressed Bevel Technology for resilient flooring to its licensing base.

With this technology, the edges of a resilient flooring panel are pressed downwards into a bevel, making sure the decor layer and texture of the board continue until the deepest point of the bevel. This technology, on which Unilin Technologies already started filing patents more than ten years ago, enhances the appearance of resilient flooring to be even closer to real wood than ever before.



Maximum flexibility, protection, safety, indoors and outdoors.

PATENTED

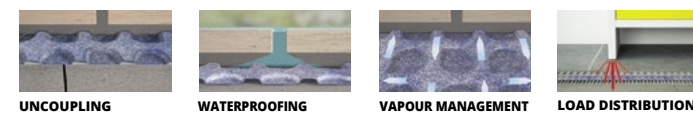
PRODESO® MEMBRANE SYSTEM

PRODESO® MEMBRANE SYSTEM is an uncoupling and waterproofing system for problematic substrates, balconies, terraces and horizontal surfaces of any dimension. Thanks PRODESO® MEMBRANE SYSTEM is possible not to make fractional/expansion joints in the screed before the laying of tiles and natural stones, if the screed has already been cut it is possible to lay the tiles on the existing joints. There are many advantages to use the system of Progress Profiles, which gives the utmost laying flexibility, floor protection and long-time guarantee indoors and outdoors. Time saving: installation time are drastically reduced. Membrane, tile installation and grouting can be completed in the same day. Versatile: it can be used on any supports, both indoor and outdoor. Waterproofing: it guarantees the laying of any floor and the waterproofing of the substrate in overlapping too, or for cracked and not perfectly cured supports with possible vapour pressure.

Exterior finishing details. It protects and enhances.

PROTERRACE SYSTEM

PROTERRACE SYSTEM is an innovative system for terraces and balconies projected by Progress Profiles to protect the edges of the tiles, the screed from water infiltrations and to allow a correct outflow of water. A complete and articulated range of multi-functional perimeter profiles, in powder varnished aluminium, in the shades white, gray, anthracite gray, dark brown, corten (on request beige) and stainless steel, which replace the ceramic "L corner pieces" and the thresholds in marble. The profiles are equipped with a punched flange, which guarantees a perfect grip with the adhesive, a vertical side that protects the screed from water infiltration and covers the edge of the flooring. The Drain version is completed with an innovative drip-guard and holes that allow the outflow of infiltrated water between profile and tiles. A system of excellence to enhance and protect exterior environments and restore full liveability, in ideal continuity with the interiors.



MAPEI TECHNOLOGY USED FOR EMERGENCY'S SPECIALIST PAEDIATRIC SURGERY CENTRE IN UGANDA

Emergency's specialist paediatric surgery centre in Entebbe, Uganda, has begun taking in young patients and will set the benchmark for surgical needs of the children of the entire continent of Africa. Thanks to its ability to give shape to ideas through the innovative nature of its own products, Mapei (a partner in the project) helped make this "scandalously wonderful" hospital in the heart of Africa more sustainable and faithful to local building tradition, just as Gino Strada wanted. The building was designed and developed by Renzo Piano in partnership with TAMassociati. Mapei developed an innovative system to adapt the traditional 'rammed earth' construction technique to the hospital's needs. This method uses clay and earth to provide sufficient heat inertia to keep the building's temperature and humidity levels constant. Made from special latest-generation binders resulting from three years' research and experimental tests carried out in conjunction with Emergency's technical staff, this technology made it possible to



construct the hospital's walls sustainably while, at the same time, guaranteeing versatility and durability. The use of such a widely available material as clay reduced the project's environmental impact and fitted in with local tradition.



REFOREST THE PLANET, RETIMBER THE CITIES

Professor Hans-Joachim Schellnhuber of the Potsdam-Institute for Climate Impact Research in Germany last 8 April delivered a powerful climate change message backing the use of more wood in the built environment.

Speaking to his theme - "Reforest the planet, retimber the cities" - Prof Schellnhuber stated: «We need to create an alternative carbon sink and wood construction is the perfect answer. We can turn the timber into construction material in the built environment, recycle most of the wood [...] you have cascade utilisation and immediately replant the trees that you have taken away and even increase the forest area, then you have what I call the 'Forestry- Construction Pump'».

Prof Schellnhuber is acknowledged as being the mastermind behind the Commission President's initiative for a New European Bauhaus. Mrs Ruth Reichstein of the European Commission made it clear that: «The President of the European Commission has become a huge fan of building in wood and is delighted to see the New European Bauhaus conversation growing every day. It is a project of hope, a project of recovery. Within it, renovation can be as valuable and beautiful as new construction. With this in mind, let us turn our cities into urban forests.».

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A NEW LIVING CONCEPT

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in the name of
luxury, which has
been enriched
with a Penthouse
of over 160
square meters

FRANCESCA FERRARI



Located in the heart of the Dolomites, in the San Cassiano in Alta Badia, the Rosa Alpina Hotel & Spa is part of The Leading Hotels of the World and boasts a 3 Michelin Star restaurant and a large SPA area renovated in 2018.

A five-star offer in the name of luxury, which has been enriched with a Penthouse of over 160 square meters, whose interior design project bears the studio's signature Milanese Vudafieri-Saverino Partners.

The property is located on the 4th floor of the Engelstrakt wing and consists of three suites, a large living room with windows facing the mountain, a fireplace, a bar and a kitchenette. Open spaces and bright, which thanks to the extraordinary view of the majestic peaks of the Dolomites, allow

you to experience nature and the surrounding landscape even when you are inside. Vudafieri-Saverino Partners have carried out a reinterpretation of tradition, putting in place an elegant mix between the location's identity, traditional materials and contemporary design elements. The design objects give a touch of colour and sophisticated elegance to rooms dominated by wood and traditional materials used in mountain building construction.

THE PRIVATE WELLNESS AREA

The pride of the new penthouse is the private wellness area that directly overlooks the mountain views, for a unique experience that satisfies body and spirit. An oasis of tranquility in which contemporary references are not lacking, given

in this case by refined chromatic games: in the rooms, in fact, prevails the white color, in contrast with the wood and with the peaceful but intense shades of green. The floor is a splendid larch parquet, which infuses warmth and a feeling of well-being and peace to all environments.

PLAN

- PROJECT: Vudafieri-Saverino Partners, Tiziano Vudafieri and Claudio Saverino
- DESIGN TEAM: Thomas Pedrazzini, Sabrina Sala
- PHOTO: Alex Filz



Wood you like ?

For lovers of elegant, classic and refined environments, Original Parquet has created the "European Walnut" collection.

For the realization of its floors Original Parquet uses the precious wood of European walnut, recognized as one of the best ever for quality, strength and ease of processing. A strong grain, chromaticity and color differences make the European walnut a wood able to surprise and fascinate beyond the confines of time. Thanks to its elegance and the particular pattern of the veins, highlighted by the natural finishes studied by Original Parquet, the European walnut floors become a real furnishing element able to enhance any environment.



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OH MY

WOOD!

ANIMAL FARM



Sending Cow

The collection is called 'Sending Animals' and designed by Marcantonio Raimondi Malerba, here quoted: "Animals and their shapes has a great attraction for me. It is an ancestral, ancient call to our inner instinct and to the nature. I always try to investigate the relationship between mans and nature, searching the syntheses talking about our attitudes and suggesting eccentric dynamics". Sending animals collection is made from wooden shipping crates.

seletti.it

Ugo

Ugo is a bench designed by Paolo Salvadè for the brand Riva 1920. From the iconic shape and loosely based on the dog Dachshund, a fun way to get the local living or unconventional. Derived from a cedar trunk worked and shaped in the form of a dog, the bench Ugo characterizes ironically any environment, becoming protagonist.

riva1920.it



Eames Elephant

Whether as an indoor-outdoor toy or simply as an attractive object, the friendly Eames Elephant (1945) by Charles and Ray Eames will bring delight to children and parents alike.

vitra.com

Monkey, mini

Kay Bojesen's family is growing, and the familiar Kay Bojesen Monkey, first produced in 1951, now also comes in a tiny 10-cm version. The Monkey is manufactured from plantation teak and limba wood. Despite its size, the little Monkey, of course, has just as much charisma and charm as its older siblings in Kay Bojesen's troupe.

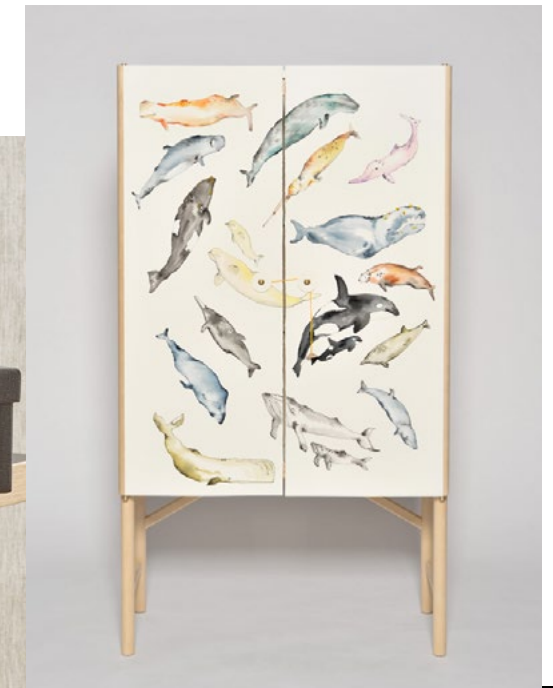
kaybojesen-denmark.com



The Whale Cabinet

In collaboration with cabinet maker Martin Altwegg, Design studio David Ericsson designed the 'Whale Cabinet' for the Swedish manufacturer Friends Of Wood. The cabinet is constructed in birch wood and has hand paintings of whales on a very strong cotton aquarelle paper.

davidericsson.se



Big Bird

Created by the illustrator and designer Isidro Ferrer and built using a traditional craft technique called vareta, Big Bird is a masterly feat of wood craftsmanship. While light radiates from Big Bird's wooden plumage, a wood veneer globe hangs from its beak, like a ball of glowing nectar.

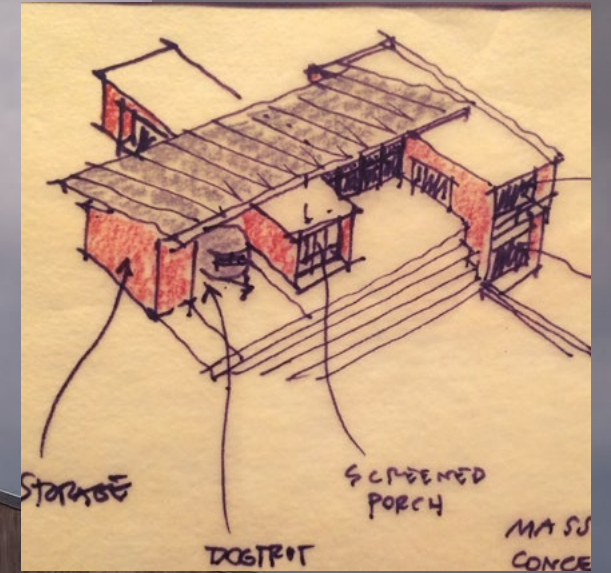
lzf-lamps.com



L'Oiseau

An avian figure of archaic simplicity, is reminiscent of the unpretentious artefacts of Nordic folk art. Its sleek form attractively enriches contemporary interiors without the cuteness or even tackiness so commonly associated with animal figures. L'Oiseau (Ronan & Erwan Bouroullec, 2011) is available as a wooden bird made of milled maple and sanded to a smooth finish, or as a ceramic figure in a choice of colours.

vitra.com



COPPERWOOD HOUSE

Indiana: a family of four seeking an energy efficient, modest, modern dwelling. Thermally modified American ash is the protagonist of the project

FRANCESCA FERRARI

ILOVEPARQUET

The site's name, originated by the owner's son, was inspired by the color of the surrounding woods and landscape; an untouched natural site adjacent to farmland and bustling with wildlife, but itself not ideal for agriculture. Ultimately, the design solution was a balance of the unique site opportunities paired with the owner's simple lifestyle needs and love of travel. Of the 20 acres, about 3 were available for construction, with much of the remaining acreage wetlands. Of those 3 acres, an abandoned pipeline intersected from northwest to southeast, helping to further narrow and refine the possible locations and design concepts.

The architects, HAUS, chose to specify thermally modified American ash for the exterior walls of the house.

The owner of the house chose not to protect the thermally modified material through oils or lacquer and instead let the material naturally weather into a darker grey. HAUS were set on detailing the wall as a rain screen system, and Woodhaven, who supplied the timber, offered a clip/furring system supporting that approach, allowing water to drain out of the wall cavity. In the Indiana climate, the architects expect the material to last about 25 years.

IN & OUT

The exterior materials are continued through the interior to the bedroom wings and the stair wall cladding and, although the interior has lightened somewhat, remains true to the thermally treated ash's original base colour.

"The external use of thermally modified American hardwoods is growing significantly year on year not just in Europe but around the world, including in the USA, as this project demonstrates. Thermal modification (TMT) turns non-durable hardwoods such as ash and tulipwood into durable materials



AMERICAN HARDWOOD EXPORT COUNCIL

The American Hardwood Export Council (AHEC) is the leading international trade association for the American hardwood industry, representing the committed exporters among hardwood companies, who now market and sell their products in significant volumes all around the world. For more than 30 years, AHEC has been at the forefront of international wood promotion, successfully building a distinctive and creative brand for American hardwoods. By recognizing the key role design plays in the successful and innovative use of hardwoods AHEC helps the American hardwood industry develop new opportunities by building a rapport with the global design community. In Europe AHEC is renowned for its imaginative and ambitious collaborations with architects and designers to highlight the potential and inspire more use of these sustainable materials.

americanhardwood.org

that don't decay or deteriorate in outdoor use. Architects therefore have a sustainable timber option that ages well, without finishing, and provides increased stability in use. The latter fact, together with the rich darkening of the wood means that TMT hardwoods are also being used internally as well as externally as HAUS Architects have done in this striking dwelling in Indiana.", David Venables, AHEC's European Director.

THE DESIRE FOR LIGHT

The architects, HAUS, wanted to design the spaces for passive solar with an east-west primary orientation, but this was counter to the angled pipeline. Ultimately the pipeline became a major driver of the design concept, resulting in an offset series of bars forming bedroom wing, living wing, and garage wing – each perpendicular to the other forming a z-layout. Each component steps with the angle while maintaining the desired solar orientation and orthogonal relationships, which also happened to work perfectly for desired views and site access.

It was no problem achieving abundant natural light to the primary living spaces and bedrooms, but we also wanted a nice quality of light in the lower level, which includes a partial walk-out to the south. The desire for more light led to a north-facing light-well garden on the entry side of home, which then led to the idea for the covered bridge feature.



PLAN

- Architect: HAUS Architecture + WERK I Building Modern
- Wood species: Thermally modified American ash
- Photographer: HAUS Architecture



Discovering timber: Walnut

We're talking about National or blonde walnut (*Juglans regia*) and Black or Canaletto walnut (*Juglans nigra*). Parquet made from these 'sustainable' timbers are to be esteemed for their expressive and aesthetic richness

GIANNI CANTARUTTI

Walnut (*Juglans regia*) is a fruit tree belonging to the botanical family of *Juglandaceae*. There are about sixty species of tree in this family, divided into seven types. The one we are going to look at in depth is the *Juglans*.

The two main species of walnut which are known more or less everywhere now are National or blonde walnut (*Juglans regia*) and Black or Canaletto walnut (*Juglans nigra*). Both of them are sources of valued timber used in many different ways from flooring to cabinet-making.

THE HISTORY OF NATIONAL AND BLACK WALNUT

The National walnut was one of the first fruit trees to be grown by ancient Mediterranean peoples.

Jovis glans – Jove's acorn – was the ancient name for the fruit of the walnut, connected both to the divine and the mystic union of the masculine and feminine polarities.

Pliny the Elder described the fruit of the walnut tree and its importance in his "Natural History". It was the Greeks who imported it from Asia in ancient times.

Every civilisation has attributed particular meaning and healing properties to the walnut tree. The National walnut originated in central Asia, an area which now

includes Kazakhstan, Kyrgyzstan and other countries bordering on the Himalayas. The Black walnut originated in the United States of America. Nowadays, because of the economic importance of its timber, the Walnut tree is also cultivated in Europe, especially in Eastern European countries.

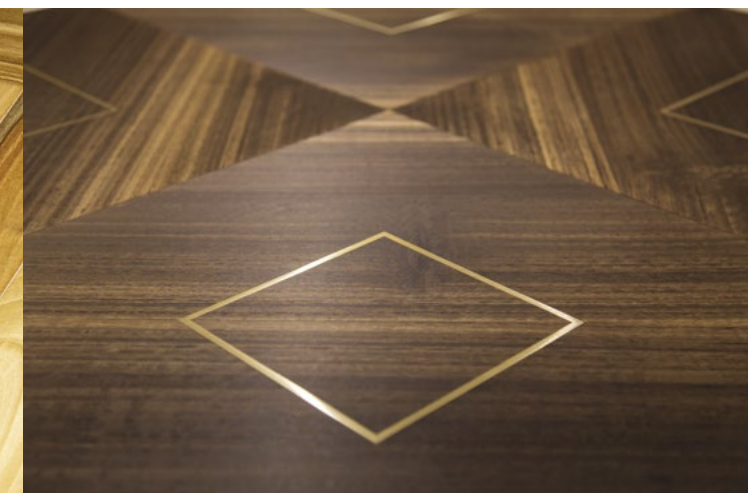
CHARACTERISTICS

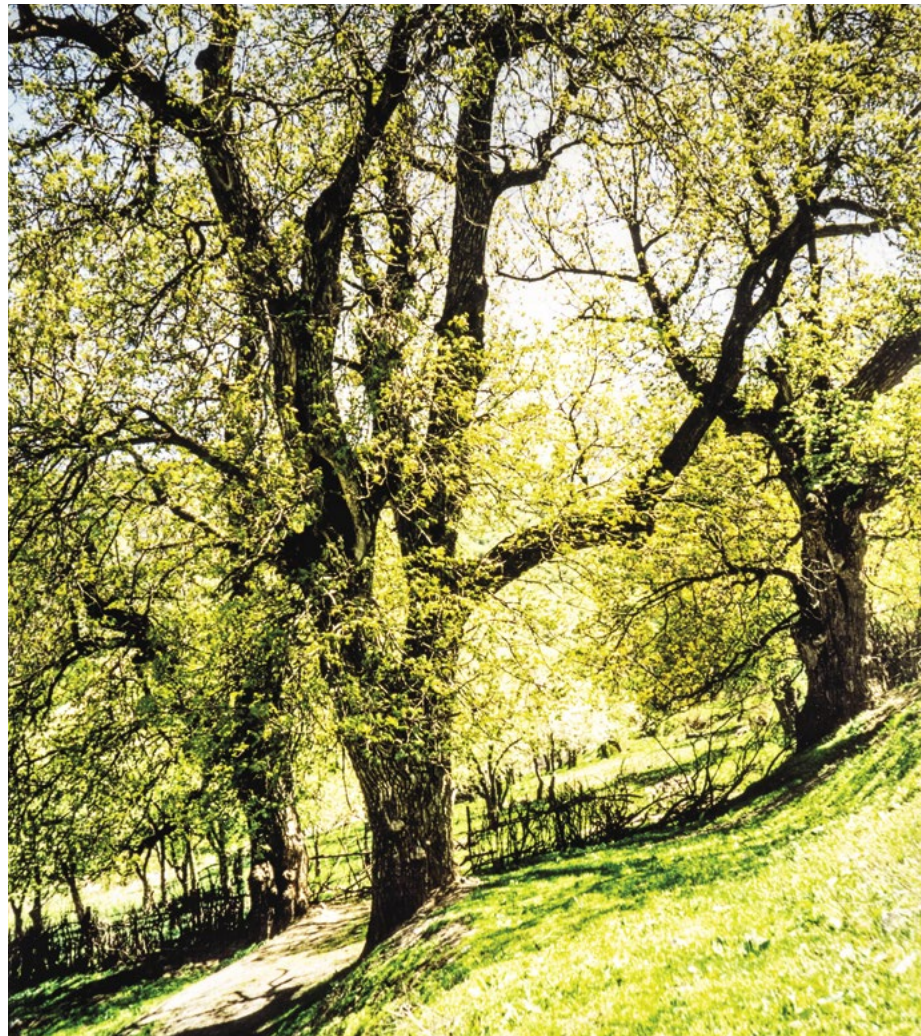
A walnut tree can average 25 metres and more in height. Even now in Kyrgyzstan you can see uncultivated trees in their natural setting which are more than 25 metres high and have a diameter of more than a metre.

The tree can live for over two centuries. It is grown in flat and hilly areas and is often found on farmland near the farmhouse.

It is a solitary tree and cannot share its space. It has the phenomenon known as 'allelopathy' (also called chemical competition or root antagonism), which is the production of metabolic substances (funghi) in the roots which are poisonous for the tree itself or for other species. This inhibits seed germination or poisons the roots of other plants growing nearby.

The bark of the National walnut is in shades of light to dark brown, sometimes with gold highlights in the grain. Canaletto walnut on the other





hand is dark brown and sometimes even nearly black.

Average specific weight for both species is around 600 kg per cubic metre.

The timber can be used quite well for carpentry when there are no curves.

NAMES

There are different species which are commonly commercially known by the name Walnut, with the addition of various other names. For example: Bolivian walnut (*Yesquero-Cariniana excelso*), Daniela Walnut (*Ovangkol-Giubortia ehie*), Tanganyika walnut (*Aniegrè-Aningeria robusta*), Brazilian walnut (*Imbuia-Phoebe porosa*). This mode of improperly promoting very different species and linking them with National walnut only because of the fact that they are

close in colour to the latter, along with the possibility of providing these other timbers as a substitute for National walnut at a lower price, has led to a reduction in use of blonde walnut, in spite of the fact that it is readily available on the market.

"Fashion" has also certainly played a part in making Canaletto walnut, in spite of its fairly high price, more appreciated. Perhaps from an aesthetic point of view it offers greater uniformity of colour thanks to the vaporization process of the timber in its natural state.

Valued, famous and sought after, the burrs and feathers of both species, National walnut and Black walnut, are still used today to enhance décor of every style and taste, as well as the timber from their trunks.

Walnut is considered a 'noble' wood, on a level with Mahogany and Rosewood, for use in making floors with a wealth of geometry and inlays, even better than oak (durmast, English oak, downy oak).

Parquet floors made from walnut are to be valued for their 'expressive' and aesthetic richness, especially in blonde walnut. Walnut originating in Campana is still selected today for being the best for making furniture, while that from Ferrara, because of its particular grain, is the best for example for use in luxury cars like Mercedes or Bentley.

Enlightened architects and designers, not only famous ones, continue to promote this 'highly sustainable' species of timber for use in projects where skilled craftsmanship is needed to give lustre to the final products (one example is the furnishing in Villa Necchi in Milan which is largely made of National walnut).

In the Lignamundi xylotheque in San Giovanni al Natisone, there are more than 1000 timber species used today in industry and craft all over the world. You can see the spectacular effects these timbers offer, shown in panels and veneers, but especially in beautiful objects, tables and floors.

FIRST RENOVATION LACQUER

No sanding and multi-surfaces



Long lasting renovation without sanding down or replacing the floor

- Multi-surfaces: all wood floor finishes, laminated floors and PVC, vinyl, LVT floors
- Conceals scratches*, revives tarnished floors
- Single coat system
- Perfect adhesion, excellent grip, without primer
- High chemical and scratch-resistance
- 2-component with hardener

*Surface wear & tear: regular use and small scratches



MAXI SIZE PARQUET



SIGNATURE COLLECTION BY WOODCO

Rovere Caribou parquet combines an intense and suggestive color with a particularly material texture. The irregularities present on the surface, created through planing, skillfully recreate the effect of the passage of time and wear associated with treading, making each board unique

and unrepeatable.

Collection: Signature Collection

Product: Rovere Caribou

Dimensions: 3000 x 400 x 20 mm

Wood: Slavonian Oak

Surface: planed, micro-bevelled and
matt lacquered
woodco.it



Thanks to the patented heat treatment and to its high density, Thermo-Treated Bamboo is a weatherproof product, with exceptional dimensional stability and hardness.

Boards have a dark brown colour and are suitable for all sorts of use and in cases of interventions with low environmental impact. Thermo-Treated Bamboo is actually also

available with FSC certificate and can contribute to credits for Broom and Leed certificates because of its ecological characteristics: it is CO₂ negative throughout its entire lifecycle and is composed of a highly recyclable material such as bamboo, that grows very fast.

ravaiolilegnami.com

THERMO-TREATED BAMBOO BY RAVAIOLI



**BIOLINEA
BY FRIULPARCHET**

The experience in the knowledge and processing of wood gained in almost a century of activity does not stop Friulparchet in the face of requests for particular and significant sizes. In recent periods there are many requests for planks with important lengths and widths, even 300 mm, in order to give the rooms an aspect full of unique and fascinating emotions. To give the floors particular emotions, hand planing processes are particularly appreciated which make them aesthetically unique. The Natur choice, with the

characteristic presence of knots and cracks, provides a natural oil finish in order to keep the natural appearance of Slavonian Oak alive. There are also various colors that can be applied, according to the taste of each individual customer, both from the BioLinea collection and customized.
Collection: BioLinea
Wood: Slavonian Oak
Surface: Natur choice, with knots and cracks
friulparchet.it

The oak as Nature created it for the Superflash Store of Banca Intesa in the heart of Milan.
Collection: Boschi di Fiemme
Essence: Reale
Wood: Oak XXL
Selection: Knotty

Surface: Brushed
Dimensions: length 5000 mm; width 400 mm
Treatment: oiled with BioPlus®
fiemmetremila.it

**BOSCHI DI FIEMME
BY FIEMME TREMILA**

MAXI SIZE PARQUET

MAXI SIZE PARQUET

XILEMA BY GARBELOTTO

In the forests it is easy to come across trunks of old trees: they are naturally dead plants that Garbelotto recovers and enhances. The Xilema line has several objectives in the name of eco-sustainability: keeping forests clean, giving wood a second life and facilitating natural reforestation. It is perfect for all those who like nature with characteristics that make

it material and alive, suitable for everyday living spaces or in any other environment with boards up to 240 mm wide and up to 2500 mm long.

Collection: Xilema

Dimensions: up to 240 mm wide and to 2500 mm long.

garbelotto.it

Bruno offers a wide range of wood flooring, a variety of products which meet any taste and interior design need. 2-layer prefinished planks can actually be customized not only with regards to surface finishing, but also as far as dimensions are concerned. Upon request, 'big dimension' options are also available, with bigger planks up to 30 cm wide and 3 meter long. These are tailor-made customized collections,

versatile solutions which warm up the most refined design locations.

Collection: Veins

Product: B.Different

Dimensions: pre-finished 2 layers, thickness 14/15 mm, noble lamella 4 mm - different dimensions

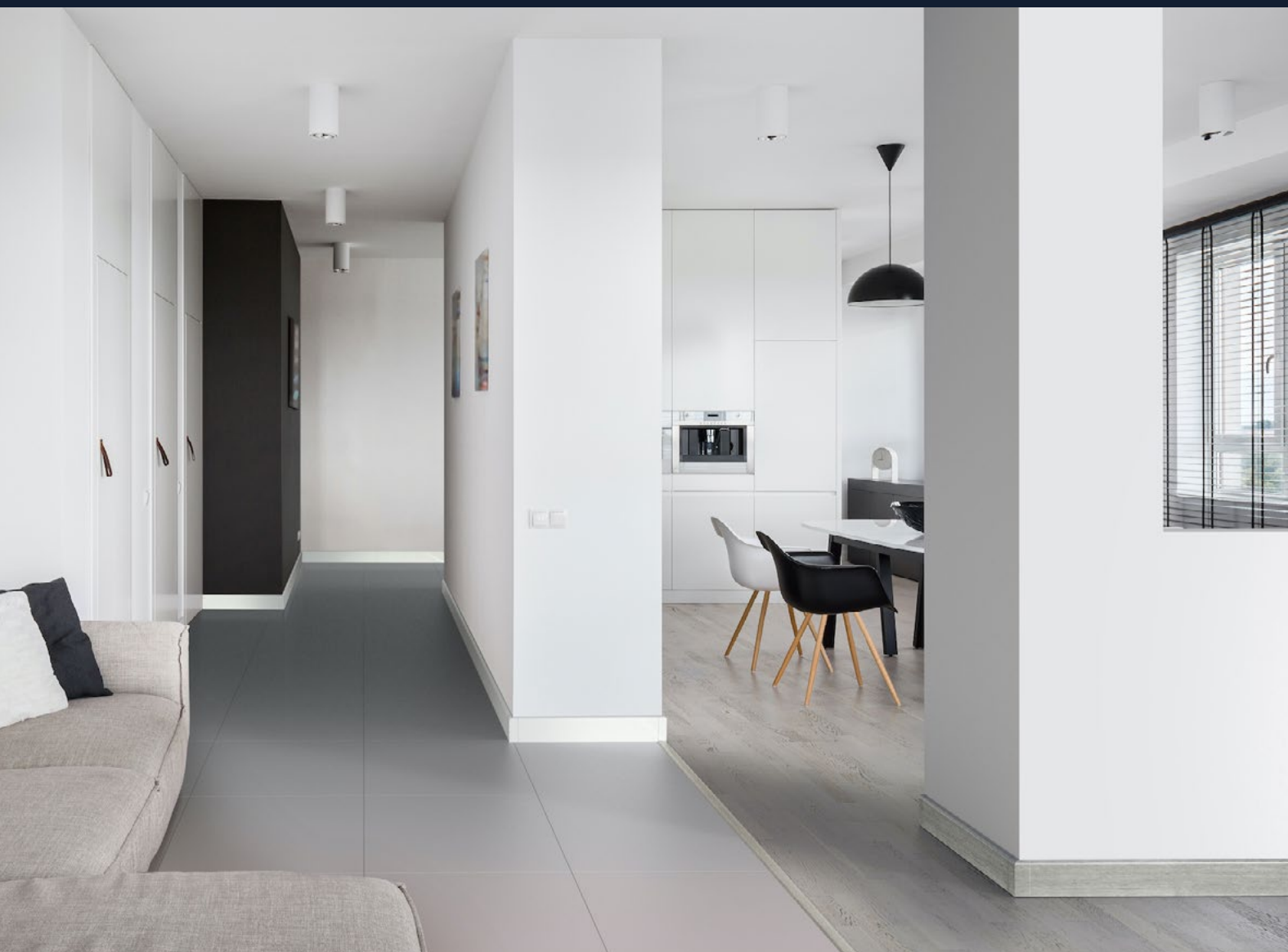
Wood: in photo Ash

Treatment: oiled LegnoAria+ **brunoparquet.it**

VEINS BY BRUNO PARQUET



MAXI SIZE



PROGRESS PROFILES PATENTED PROMULTISKIRT ROUND

A skirting board equipped with invisible engravings on the back and front: you can cut them without any damage at different heights (10, 8 or 6 cm). Highly resistant to water, chemicals and humidity, Promultiskirt Round can be anchored to the wall with plastic supports and fixed using the special clip or by applying the waterproof sealant. To ensure perfect installation,

there are closing caps, external fittings and internal edges.

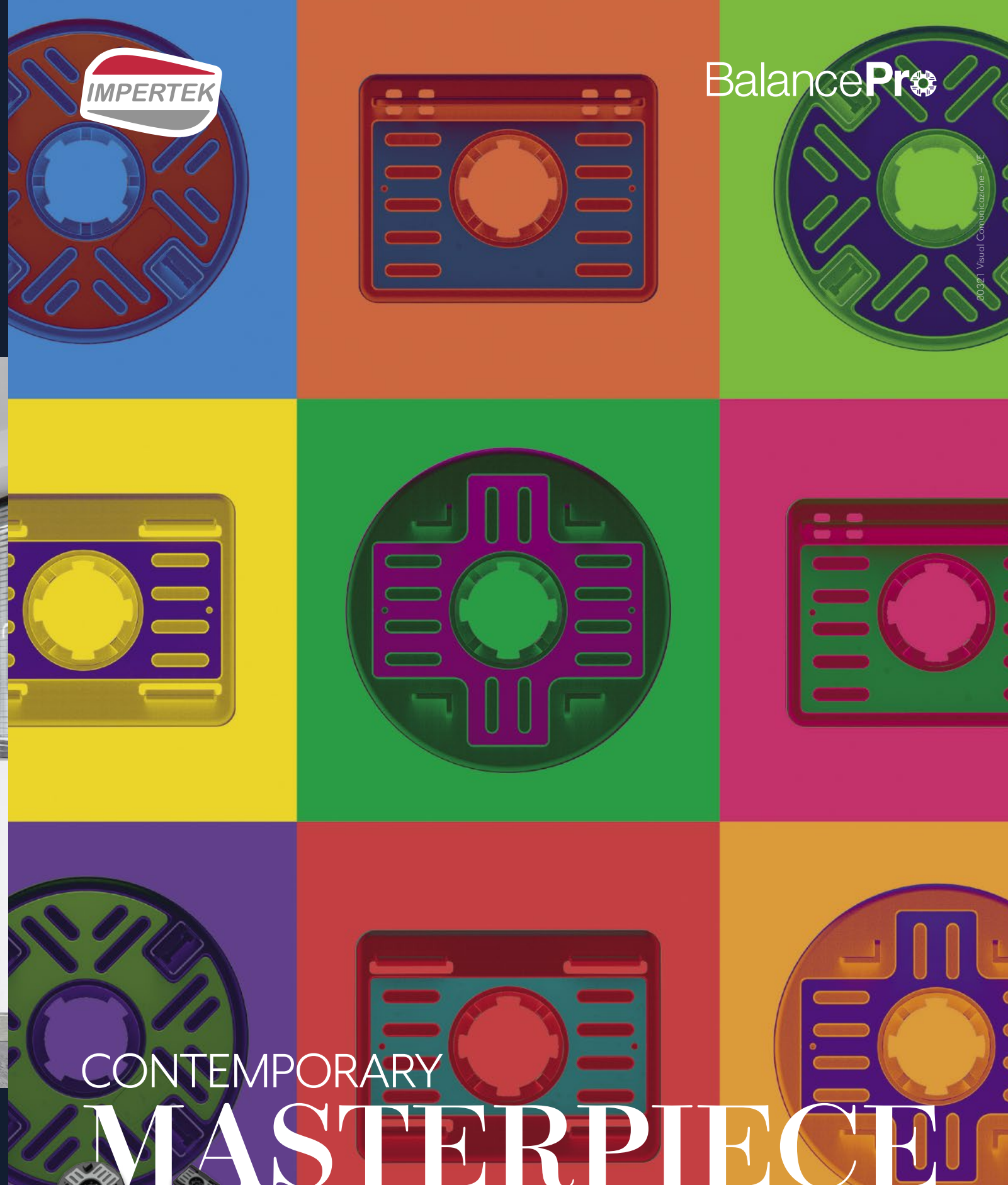
Product: Promultiskirt Round

Dimensions: 10 mm height x 14 mm thickness

Material: PVC

Surface: white oak, grey oak, Havana oak

progressprofiles.com



CONTEMPORARY MASTERPIECE



ALL IN 1 SYSTEM

UNLIMITED VERSATILITY

14 ITEMS TO SATISFY EVERY
INSTALLATION NEED, WITH
HEIGHTS FROM 25 TO 1025 MM.

BALANCE PRO IS SELFLEVELLING UP TO 5% OF
SLOPE AND IT HAS A LARGE RANGE OF HEADS
FOR TILE, DECKING AND MIXED FINISHINGS.



SCAN OR GO TO
IMPERTEK.COM
MEET US AT CERSAIE (27/09 – 01/10) BOLOGNA ITALY



TELL IT TO THE MOON!

Phases of the moon
and timber quality:
man has realised
for centuries that
the quality of a
timber is influenced
by the period in
which it is cut

FABIO BRAGA

I am always meeting building planning professionals who smile when the topic of the importance of the phases of the moon is raised. Sometimes I am stunned by how little they know of natural materials that have been used for centuries with great mastery by exceptional people who have handed down their knowledge and left an unequivocal and astounding heritage. Not only can trees reach an age which is hundreds of times greater than ours, but their timber can also last undamaged for an incredibly long time. Just think of the wooden temples in Asia which have resisted unscathed not just for centuries but for nearly two thousand years. Raised up by Buddhist monks and made of powerful tree trunks, these artistic monuments created by man are testimony to the possibilities hidden in trees. How is it that timber has become a material which can withstand

meteorological events for centuries? There are three things responsible for the quality of a particularly hard-wearing wood: first, the choice of a tree which has been grown well, second, the felling of the tree at the right moment and third the storing, drying and correct handling of the timber. In this article I would like to look at the topic of the correct period for felling a tree.

THE RIGHT TIME TO FELL A TREE

The time of year when the sap goes into a resting phase, like felling when there is a waning moon, are such important aspects that they make up the thread connecting man and tree, a thread which has stretched through time. From Julius Caesar through Pliny the Elder right down to Theophrastus, we have been told anecdotes and stories which say that timber for

building should be felled only with a waning moon. Even in Medieval and Renaissance times, it was known as the right moment for felling. This frequent reiteration of the same rule gave it great weight. However, there was no scientific proof until recently.

SCIENTIFIC PROOF

In one of the most renowned technical universities in Europe, the ETH in Zurich, a small group of researchers looked into the scientific evidence for this rule in 2003. Professor Ernst Zurcher was head of the research project whose objective was to examine in general the connection between the rhythms of nature and plants. It was observed that the tendency of beans to swell when put in water was not always equal, but varied according to the cycles of the moon. During the period of the experiment, the beans

absorbed more water under a crescent moon and clearly less when the moon was waning. The germination of seeds of various trees and plants were examined in relation to their dependence on the phenomenon of the phases of lunar cycles. This demonstrated that the speed of development of the seedlings and their average height after 4 months were all relative to lunar phases.

THE MOON AND THE DIAMETER OF TREES

Other studies showed that trees ‘pulsate’ exactly in line with tides, which, of course, are controlled by the moon. When the moon is growing, trunks become thicker. When it is waning, they again become thinner. The diameter of trees is greater or less depending on the cycles of high and low tides. Of course, we are talking about a difference of some hundredths

of a millimetre, but it is nevertheless measurable.

‘LUNAR’ TIMBER

To demonstrate the influence of the moon on timber, simulations of environmental conditions were decisive in tests which were then interpreted through studies. In some simulation tests in which a multiplicity of fungus spores were grafted onto the tree, the validity of the ancient rule of felling trees was analysed and for the first time it was demonstrated that timber felled according to the phases of the moon is more hard-wearing and resistant to environmental conditions than timber felled in the conventional way. Furthermore, an important aspect of the principle which causes this effect was brought to light. It was discovered that water in wood is very different from water on glass.

WATER AND WOOD

The link between water and wood cells, the movements of the internal flow of cells and inside the smallest capillary tubes are regulated by a multiplicity of physical influences, which mean that water can take on a gelatinous state and remain fluid up to -15°C. ‘Lunar timber’, felled under a waning moon, has more water trapped inside. This means that during the drying process, it will shrink more, reducing its size in a notable manner. In this way, the timber becomes denser and stronger and also more resistant to invasive fungi, insects or intense flames. The increase in density of ‘lunar timber’ is 5-7%, as has been shown in thousands of tests. From a technical point of view, this phenomenon represents a significant improvement over ‘non-lunar timber’.

New Real Wood campaign: from the Pilot to the First Phase



The main message of the campaign is the quantity of CO₂ which is saved by installing parquet... The end-consumers had and still have time to think and to refocus their expectations on essential elements which are environment-friendly

BY EUROPEAN FEDERATION OF THE PARQUET INDUSTRY



Crises are always offering opportunities and opening new pathways. Some existing elements for the parquet industry have been reinforced and/ or accelerated by the pandemic: the importance of online channels, also to sell & buy parquet, new habits, increased time at home including for working, increased consideration of environmental characteristics and sustainability... The end-consumers had and still have time to think and to refocus their expectations on essential elements which are environment-friendly. These changes have been already translated into a higher renovation rate in Europe in 2020 and a higher

use of wood in renovation. On most of the European parquet markets, renovation has supported partial or total recovery from the lockdowns which took place during spring 2020. According to the Covid-19 related measures adopted in each Member State, some markets were still progressing at the end of the year 2020 while others were flat.

OPTIMISM FOR THE YEAR 2021?
The still high rate of renovation suggests optimism for the year 2021. Uncertainties are nevertheless well present for our sector at short-, middle- and long-term:



- At short-term, we do not know the impacts of virus variants, if we will face a third wave, what will be the confinement measures in the coming days & weeks, with sometimes and in some Member States closure of retail shops.
- At middle-term, we do not know how will evolve the vaccination throughout Europe, and if residential renovation will slow down significantly once the consumers will be able to travel again.
- At long-term, we will have to cope with the economic impacts of the pandemic. Part of renovation works scheduled in two or three years have been anticipated in 2020. Contracts (for instance, in office or touristic business) could be drastically reduced in the coming years. And purchasing power of some consumers and public investments are expected to decrease.

the European authorities of the positive role played by wood products in meeting carbon neutrality target by 2050. Besides the EU Green Deal, the new Circular Economy Action Plan and the Renovation Wave, the European Commission (EC) has recently launched a new Bauhaus initiative aiming at involving the citizens in designing buildings of tomorrow. In this context, EC President von der Leyen stated that: "We know that the construction sector can even be turned from a carbon source into a sink, if organic building materials like wood and smart technologies like AI are applied". The parquet industry has also to tangibly benefit from such a statement. In order to capitalise on this trend and anticipate the long-term negative economic impacts of the pandemic, it is of utmost importance for the parquet industry to communicate on the inherent advantages of its products.

THE INCREASED RECOGNITION BY THE EUROPEAN AUTHORITIES
On the other hand, the positive trend currently observed is supported by the increased recognition by

A NEW COMMUNICATION CAMPAIGN
As you know, the FEP Board and Team have decided to launch a new communication campaign

using and revamping the existing Real Wood initiative. The main message of the campaign is the quantity of CO₂ which is saved by installing parquet. The message is explained in a movie (6, 36 and 45 seconds versions for different Social Media) which is driving the audience to a calculator, giving the number of tons of CO₂ saved by installing different surfaces of parquet, and a website where the advantages of using parquet are briefly explained (realwood.eu). In order to check and assure the effectiveness of the chosen concept, a Pilot Phase has been held on the French and German markets where Media Plans (advertisements on Facebook, Instagram, YouTube and Google search) were led from December 2020 to February 2021. The performance of the Pilot Phase Media Plans is generally very good and shows potential for the future. Costs of clicks and views were below estimations which allowed

to prolong the Media Plans in time. More than 12 million people have seen the ad at least once on Facebook/Instagram. 2.3 million have watched this version of the movie until the end and almost 90.000 have clicked on it to get further information and/or interact. On Google Search, the movie has been shown more than 35.000 times and 7% of the audience clicked on it. On YouTube, 70% of the audience watched the long version movie until the end. Based on the positive results of the Pilot Phase, FEP is now launching the First Phase of the campaign, potentially extending it on all European markets for spring 2021. All FEP full members and national federations have been invited to support Media Plans for the markets/ countries they are interested in. A 2nd wave could also take place after the summer break as FEP intends to use the movies for 3 years, during several waves of Media Plans on European markets.

ABOUT FEP

The European Federation of the Parquet Industry (FEP) reunites European national parquet federations, parquet manufacturers and suppliers to the industry. It is the main body representing and defending the interests of the European parquet industries at all relevant levels. The activities of FEP are situated in the areas of raw material supply, production, market and internal affairs. Typical examples of work items are: The collection of market data in FEP territory and beyond; The follow-up of relevant European legislation and standardisation; The publication of newsletters; The organisation of an annual European Parquet Congress; The initiation of market research related to parquet flooring; The promotion of personal contact and communication amongst its members.

parquet.net

CHIMIVER AND ITS COMMITMENT TO THE ENVIRONMENT

"2020 has put everyone on big challenge by overwhelming us with unexpected events. Our resilience combined with your support, allowed Chimiver to grow and strengthen even in this difficult period. For this reason, Chimiver we wants to thank you with a catalog of new products that reflect our company's commitment to a more sustainable future". Oscar Panseri

Chimiver has always made innovation; quality and strong ecological awareness are its strong points, promoting a style of responsible corporate organization with a view to sustainable development that minimizes emissions of Co2. The production systems are powered by energy from renewable sources, just like in the R&D laboratories, the products are made with environmentally friendly raw materials and awarded with national and international certifications. Chimiver is the first company in Europe having achieved the environmental certification "Plastic Second Life" by using packagings made of more than 90% of recycled plastic. Chimiver wants to be a pioneer of this important project because environmental sustainability is a responsibility that lives day after day; a commitment aimed to satisfy the needs of the present without harming future generations.

ADESIVER 501 EP



Two-component epoxy-polyurethane adhesive for wooden floors, free of solvents
Adesiver 501 Ep is classified "HARD-ELASTIC" according to ISO 17178.
Uses: suitable to lay all kind of woods in any size including long strips on absorbent and also on not absorbent preexisting subfloors, with previous suitable treatment (ceramics, tiles, marble, palladian, gres, etc).
Suitable for gluing onto heated subfloors.

- Odorless
- Excellent coverage
- Sustainable

COLOR TECH



Concentrated dyes for Ecofill Tech
Highly concentrated dyes in aqueous solution.
Good resistance to overcoating with polyurethane and acrylics. Used to modify and intensify ECOFILL TECH colour in the presence of dark wood essences.

- Ready to use
- Excellent transparency
- Gloss and uniformity

LIOS HARD WAX BIOIL



Blend of oils and waxes for wooden floors
It contains vegetable oils and waxes.
It gives the wood a satin and uniform aspect. Due to its high coverage and penetration it is suggested for treatment of wooden floors in commercial premises.

- Excellent water repellence
- Excellent hardness
- Excellent soft touch

PRYMAREN CREAM



Single-component acrylic water-based high-performance primer for microcements
Acrylic single-component primer, based on "not yellowishing" resins in water dispersion.
To be used on very absorbent microcements surfaces, where a higher pore filling is needed. New special "creamy" formula and higher solid content than Prymaren.

- Application by trowel
- Very high yield and good insulation of the microcement pores
- Specific to be used in wet areas like showers and kitchen tops

ECOSTAR 2K HP PER LVT



Two-component polyurethane water-based lacquer for LVT
Two-component aliphatic polyurethane water-based lacquer for the treatment of LVT floors, recommended in all domestic homes and in public buildings even those subject to high pedestrian traffic. ECOSTAR 2K HP for LVT creates a transparent coating, which provides high chemical and physical resistance, resistance to wear, scratch and abrasion, also giving an anti-slip effect to the flooring. Available on colored version RAL or NCS.

- High chemical and physical resistance
- Suitable for high traffic surfaces
- Very low emission

VELUREX RE-PAIR



Protective treatment for the extraordinary maintenance of resin and resilient floors
Polyurethane resin-based

product suitable for the extraordinary maintenance of resin and resilient flooring such as LVT, PVC and linoleum, when their surfaces are particularly damaged and subject to heavy traffic. Velurex RE-PAIR grants the treated surface a new look characterized by the following properties:

- Surface hardness
- Toughness
- Transparency

RESIN FINISH W 2K



Water-based acrylic lacquer for asphalt and concrete
Two-component lacquer based on resins in water dispersion and mineral charges. It's suitable for application on surfaces such as asphalt and concrete: bike paths, pedestrian areas, multisport areas and decorative walls. RESIN FINISH W 2K can be applied on both new and already painted surfaces.

- Outdoor use
- High breathability
- Available in RAL or NCS colours

ADDITIVI SANIPLUS

Hygienizing additives for water-based, solvent-based and UV curable lacquers
Sanipius additives, certified ISO 22196, are special additives based on silver ions. Once added to wooden lacquers, they create a mechanical barrier providing thus a sanitizing action. The addition

FROM THE MARKET



of ADDITIVO keeps unchanged all the characteristics of the lacquers: hardness, gloss, thixotropy, chemical and mechanical resistance.

- Based on silver ions
- Easy dispersion
- Keeps unchanged all the characteristics of the lacquer

ANTISLIP PROFESSIONAL



Concentrated water-based solution, highly effective and no-slip Concentrated, water-based, non-slip solution that does not require rinsing; it's not aggressive and does not alter the surface. It is ideal for preventing and limiting the risk of fall due to smooth or slippery surfaces.
It can be used on most of the hard surfaces (lacquered wooden floors, ceramic, stoneware, marble, resin, micro-cement, PVC, LVT, etc). Furthermore, thanks to its formulation, it does not stain and doesn't film.

- Invisible barrier
- Easy to apply
- No-rinse

Get ready for summer!

Chimiver has a solution for restoring, nourishing and doing maintenance the outdoor decking with 3 “easy to use” professional products :

- **Lios GRIGIOFF - Restoring solution**
Lios Grigioff is a suitable solvent free solution to restore the original coloration of extremal wood surfaces. It removes completely the grey patina caused by adverse weather conditions.

It does not contains biocides and wood preservatives, it has a reduced environmental impact. Certified biodegradable and ecotoxic product.

- **Lios Sundeck Wood Oil - Impregnator**
Lios Sundeck Wood Oil is an outdoor wood impregnator particularly recommended for the treatment of outdoor wooden floors (swimming pool edges, verandas, walkways), window

and door frames, fences and canopies made of wood. It contains natural and synthetic oils, with the addition of UV ray absorbers and special anti-ageing ingredients against the wood decay.

- **Lios SUNDECK SOAP - Nourishing cleaner**
Lios Sundeck Soap is a nourishing cleaner used to clean outdoor wooden floors. Used regularly, keeps a natural wood appearance, avoiding wood decay caused by adverse weather conditions. It efficiently removes dirt, traces of chlorine, salt etc.

chimiver.com



Balance Pro, the revolution in the installation of outdoor raised floors

Balance Pro allows you to cover heights from 25 to 1025 mm with a single range of products. The tilting head allows to correct up to a 5% of slope. The

supports guarantee a load capacity up to 1.000 kg. Speed of installation, safety, sturdiness and the possibility of configuring the support according to every need, make Balance Pro a truly revolutionary system for laying raised floors.

impertek.com



DeckOil Color

Well protected by Loba: the extensive outdoor product line includes everything for deck and garden furniture made of wood or WPC , from basic cleaning to finishing and oiling to maintenance. DeckOil Color is a Colored oil impregnation for wooden surfaces in outdoor areas.

Product plus:

- Deep protection against UV radiation, frost and moisture
- Good penetration properties
- Safe, simple processing
- Also suitable for impregnation of garden furniture
- Suitable for smooth and grooved planks

- The preceding use of LOBADUR DeckPrepare increases the durability
- Certified anti-slip properties as per BGR 181 for work areas
- Suitable for children’s toys as per DIN EN 71-3

loba.de

Oil finishing product for treating external wooden decking

Ultracoat Top Deck Oil is a natural or Teak coloured solution used to impregnate and treat external wooden decking including those around swimming pools and on terraces. Thanks to its special UV absorbing

agents, Ultracoat Top Deck Oil protects wooden decking from sunlight and the proliferation of wood fungi, thus preventing deterioration commonly found in wooden floors. The natural version does not alter the original colour

of the wood, while the Teak version gives wood a classic, golden Teak colour.

Product plus:

- Easy to apply
- Long-lasting
- Suitable for high traffic areas
- Available in two versions
- Neutral and Teak colour

mapei.com



Wood. Dance to a different tune.



In defence of the original.

Wood used in building comes from forests with controlled timber felling. It is a completely renewable material which requires very low levels of energy in the production processes. A wood floor helps to maintain an ideal micro-climate inside the house, softens the falls of those just learning to walk and can be restored an infinite number of times.

Choose a wood floor.
Sounds like music to your ears?