

Wood composite: a material of the future

*Everything you need to know about
a high quality, eco-friendly product*

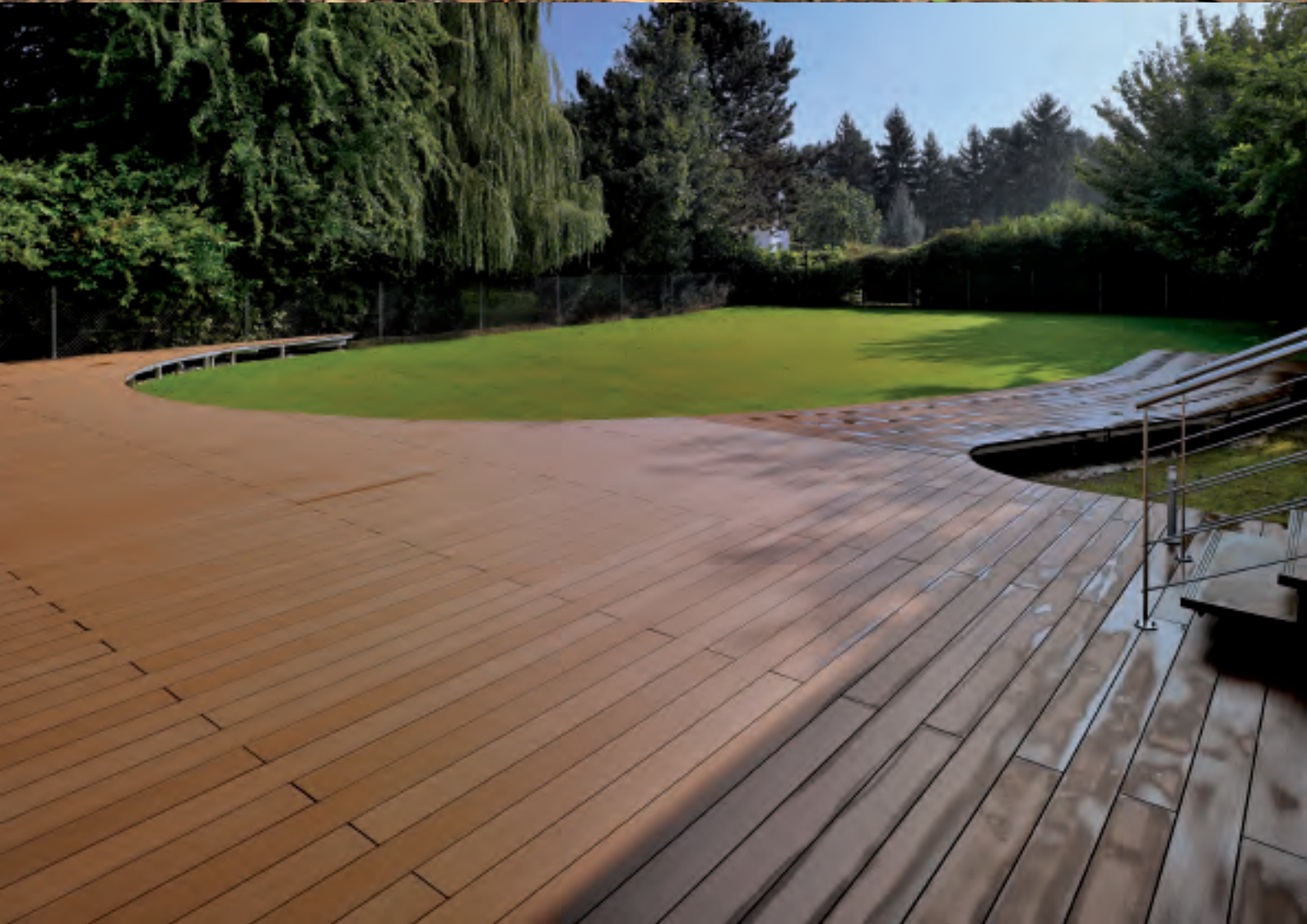
Eco Mark label



Guaranteed free of glue,
chloride, and formaldehyde



Geobois naturelements



Wood composite: a material of the future!

Industrial logging of the world's primary forests is rapidly destroying the habitats of thousands of animal and plant species, and depleting our planet of its oxygen reserves. The situation today is of concern to us all: we need to call a halt to the destructive exploitation of hardwoods responsible for this widespread deforestation.

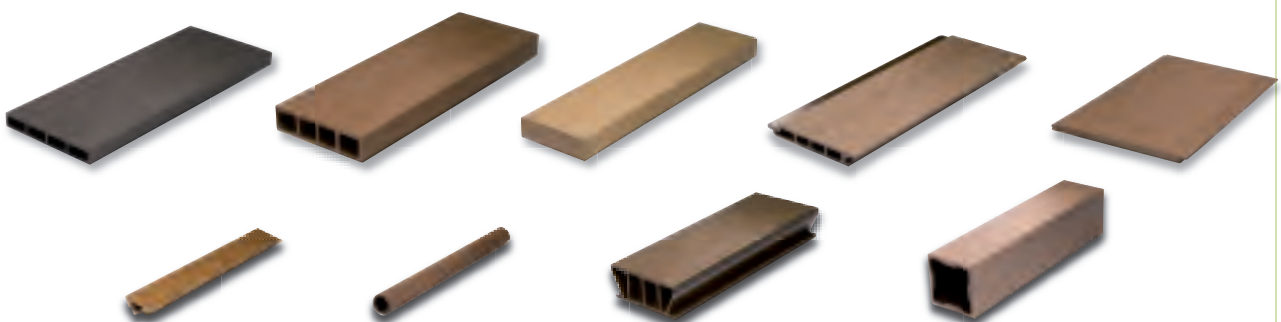
Solutions to the problem do exist. More than thirty years ago in Japan - where green awareness is firmly instilled in popular culture - a hardwood wholesaler, Nishibori Sadao, invented and developed a substitute for wood made from recycled softwood and polymer resins.

This new material had the appearance and qualities of the rarest species of wood while offering a truly eco-friendly alternative, and met with instant success. The extremely demanding Japanese market was won over by the quality and exceptional lifespan of this product, which followed the Shintoist tradition of respect for, and love of, nature. Wood composite is widely available today in Asia, and especially in Japan, where it holds a 60% market share in architectural landscaping in the public and private construction sectors.

Many entrepreneurs the world over have tried to imitate the original Japanese wood composite. Whether imported, or produced locally, the equivalent products sold in Europe are of very varied quality. The manufacturing technology is so finely tuned and intricately controlled, both know-how and accumulated experience are key to the fabrication of a high-quality, resilient wood composite.

Nonetheless, in today's construction sector there are some very competitive solutions that fulfil green criteria. Our company, Geobois, which offers European customers both know-how and a license to manufacture issued by Einwood® (the company created by the original inventor of wood composite, Nishibori Sadao), has selected and developed a full range of products conforming to European standards.

Geolam®'s manufacturing process adheres strictly to the original Japanese technique, and is produced exclusively in Japan. It remains the leading global brand in the field, and undeniably offers the best guarantees when it comes to durability, aesthetic appeal and the use of eco-friendly technologies. Geolam® is gaining recognition as one of the success stories of the green revolution: a material for the future of the construction sector in Europe!



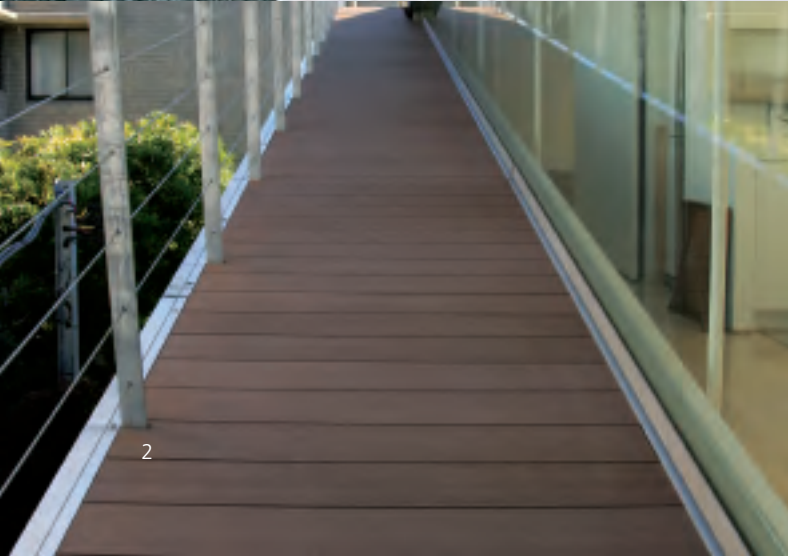


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Respect for the environment: second nature in Japan

Japanese architecture and green design

In Japan, the high population density and an increasingly urbanised society have led to a heightened awareness of the need for eco-friendly solutions that make best use of the available space. Finding sustainable solutions to the problem of limited wood resources is yet another key issue. Japanese culture is deeply rooted in concern for ecological issues to the extent that they inform every aspect of day-to-day living, and every artistic, craft and even industrial activity. While major contemporary building projects in the archipelago incorporate all the sophistication of modern technologies, they also bear the unmistakable stamp of ecological acceptability, and nurture the reality of a habitat in phase with nature and the elements.

A high-tech, eco-friendly product

Rare trees in tropical rainforests require several decades to reach full maturity. More than 30 years ago, observing the destruction caused by mankind in the Amazon rain forest, Nishibori Sadao, a visionary designer, decided to go back to the secular values of his native culture. The innovative product he created, wood composite, provided an eco-friendly alternative to the various woods used for outdoor landscaping. Sadao continues to refine the manufacturing process for his invention, which is at the heart of numerous international patents.

Wood composite: a natural choice in Japan

In Japan – the land of the rising sun – there are countless parks and gardens with architectural features made of composite wood. The majority of outdoor constructions now make use of this ultra-modern material, designed and produced in the purest respect for Japanese traditions. Manufactured from recycled wood fibres and resins, and designed to put man and nature into harmony, it offers superior physical and mechanical properties to those of hardwood. For the Japanese, this represents a golden opportunity to opt for a green solution and at the same time reap the benefits of a high-quality, long lasting and hardwearing product. Wood composite has been a natural choice in Japan for 30 years now, and represents 60% of the market for public and private outdoor landscaping.



Eco Mark label 09137002



The real alternative to exotic hardwoods

Exposed to the elements, the lifecycle of wood, whether soft or hardwood, is limited. Wood is vulnerable to UV radiation, humidity, fungal growth or insect attack, and requires regular treatment to delay greying, splitting, splintering or the spread of rot. Wood composite provides an appealing alternative: rot proof and durable, it is guaranteed splinter-free and non-slip, it will not split or crack, and is resistant to insects and fungal infection. High-quality products like Geolam® keep their original colour. The functional ingredients used, and the technical characteristics of the end product, guarantee unrivalled performance and durability. Unlike wood, the manufacture of Geolam® boards does not require trees to be felled, and subsequent processing causing secondary pollution is unnecessary. Manufactured exclusively from recycled wood, and with the look and feel of natural hardwood, Geolam® today offers a viable alternative to exploiting the equatorial rainforests.

Composite wood: the eco-friendly solution



A sustainable building material

Ten years before the concept of 'sustainable development' was even thought of, the invention of wood composite in Japan was already fulfilling most of its criteria. Manufactured using processes designed to protect the environment, a board in wood composite is ecologically sound. The wood fibres are mainly recycled pine, and the resin component – recycled polypropylene – is a fully recyclable, environmentally-neutral plastic, widely recognised as a non-toxic substance. These raw materials – both wood and plastic – are all sourced from the recycling industry, and saving them ultimately means saving many valuable, and environmentally costly 'noble' materials, all of them scrupulously examined and declared to be completely free of toxic substances before processing. Today, Geolam's composition is free of all solvents and chlorine: it will never release formaldehydes, and so is easily recycled itself without harm to human health. So each stage in the manufacture of Geolam® wood composite fully complies with sustainable development criteria.



Leading-edge technology



Hollow-cell technology

A pioneer in every sense of the word, the creator of wood composite placed great emphasis on developing innovative production techniques. The first extruded forms of the material were solid boards. In 1992, changing technologies and the invention of an exclusive process developed by Einwood® led to the first production of hollow-cell profiles. The boards became lighter, tougher, stronger, and faster to install than the solid boards. It was now possible to enlarge the cross-section, and in turn the load-bearing capacity, and this was key to wood composite becoming an increasingly popular choice for major public construction projects. Recycled pine is reduced to wood fibre and purged of all humidity before being added to recycled polypropylene to create a perfectly homogeneous aggregate. Additives are blended in, and the resulting mixture is then heat extruded.



Foam technology

Foam extrusion is an innovative technology that in itself represents a rich resource of potential new applications. Composed of several resins endowed with qualities that until now have remained unexplored territory, an 'extruded foam' substance may weigh as little as 850 kg/m^3 – compared with $1,270 \text{ kg/m}^3$ for a hollow-cell board – while retaining all the qualities of durability and high mechanical resistance exhibited by hollow-cell boards. Among its many applications, this material is ideally suited for high-quality thermal and acoustic insulation of facades.

Excellent physical and mechanical properties

Geolam® wood composite is a new material combining aesthetic appeal and the natural look of wood with durability and resinous malleability. Made from the highest quality components, and the product of a tried and tested technology that has been optimized over a number of decades, Geolam® is the result of more than 30 years' research and development, and is the subject of thirteen international patents. The quality of its components and the manufacturing processes used endow this revolutionary material with superior properties to those of wood and other wood composites: a natural look, low slip, low maintenance, sandable, colour-fast, and durable.



Durability: an essential quality

Weather resistant

Wood composite is used in very diverse climates, and under difficult conditions where exposure to extreme heat and sunshine, or constant humidity, are the norm. Its resistance to extreme climatic conditions explains its success throughout the Japanese archipelago, from the North of the country bordering the Arctic Circle, to the South, where external structures are often exposed to tropical storms. Wood composite is guaranteed to withstand huge differences in temperature and humidity. Its resistance to the effects of the sun has been rigorously tested in the laboratory, but the product's stability under harsh conditions is also demonstrated by the lasting attractiveness of installations built in the tropics, which are subject to far longer and more intense periods of sunshine than we experience here in Europe.



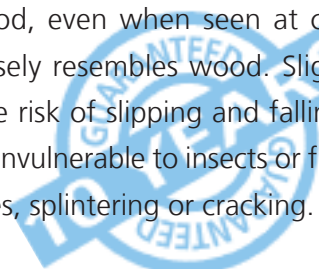
Exceptional density

While hardwood will gradually succumb over time to weathering and hostile outdoor conditions, the heat extrusion process used in the manufacture of wood composite condenses the material irreversibly. The subtle intricacies of the technology and the resins used form a perfect adhesive, without the addition of any glue or solvent. More compact than competitor products on the market, Geolam® remains water-repellent and extremely dense, so preventing humidity from penetrating its interior. The boards will retain all their special properties indefinitely, and will not split, grey or deteriorate as a result of extreme cold or heat. They will not be blighted by unsightly growths of moss or lichen, which make traditional decking or swimming pool surrounds dangerously slippery in, or just after, wet weather.



Colour-fast and attractive for years to come

Geolam® is supplied with a 10-year manufacturer's guarantee, but still looks as good as ever, unaltered in shape or appearance, after 25 years' continuous use at hundreds of different sites. This kind of lifespan is unthinkable for natural wood (or inferior quality wood composites) without the need for regular and laborious maintenance. Geolam® has the advantage of being coloured throughout its mass. The pigments and anti-UV agents impregnated during the manufacturing process continue to be effective in protecting the material from discoloration for decades, without the need for any maintenance or treatment. The boards have all the warmth and beauty of exotic wood, even when seen at close quarters. Warm in appearance, Geolam® is soft to the touch, and closely resembles wood. Slightly granular in texture, and protected by an exclusive surface treatment, the risk of slipping and falling is greatly reduced, even when the boards are wet. Impervious to water, and invulnerable to insects or fungi that feed on wood, Geolam® has a ten-year warranty against rot, termites, splintering or cracking.





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Applications

Infinitely versatile

Suitable for any climate, and stunning to look at, Japanese wood composite lends itself to a multitude of different uses both outdoors and indoors: decking, pontoons, swimming pool surrounds, walkways, paths, steps, outdoor furniture or panelling, trellises, screens or louvered shutters, wood flooring or wall coverings, cladding, garden arbors or pergolas... Warm and natural looking, it mimics the look and feel of natural wood to perfection. From flooring to ceilings and walls, the scope is endless thanks to the special mix of components and the heat extrusion process. Although currently in Europe the main application is for decking and cladding, a fundamental change is taking place in this market with a sharp increase in demand for wood composite facades and a vast array of architectural features.

Easy to install

Geolam® is very easy to install: the calibrated boards, accessories and fixing clips reduce laying times to half those required when installing hardwood decking or support structures. Using standard tools, even the most inexperienced installer can produce straight, neat cuts without splintering. The boards are supplied with an ingenious system of invisible clips for easy laying and rapid dismantling, if required, minimising the number of screws needed. These clip fasteners allow the structure to expand and shrink while maintaining firm but elastic contact between the boards and their supporting structure. The stainless steel screws we strongly recommend are black. Our invisible clip system, Cliplam®, allows you to create simple, elegant and secure structures, while saving valuable time on assembly.



No maintenance required

Guaranteed knot-free, splinter-free, warp-free and with its invisible fixing system, wood composite offers a safe, non-slip surface that is perfect for children and kind to bare feet. The grained surface of the boards offers exceptional adherence. It requires no special maintenance and is easily cleaned using a high-pressure jet or hose. The boards can be worked and sanded just like wood, but the toxic treatments and polyurethane varnish needed to maintain natural wood are totally superfluous. Accidental spills or stains can be removed, and the original surface restored by sanding lightly with a fine-grade sandpaper.



Geobois: natural solutions for the construction sector

Hand-picked, high-calibre products

In the construction sector today there are plenty of products claiming to be green. Geobois has hand-picked only those with proven success stories abroad, before adapting them so they conform to European standards. Designed in Japan to a high technical specification, and 100% recyclable, Geolam® wood composite today represents the most credible alternative to hardwood or treated wood for long-lasting creations, whether outdoors or indoors. Staking everything on the quality of the board itself – and its natural look and durability even when subjected to the whole spectrum of climatic conditions – Geobois did not hesitate to ally itself with the inventors of this composite material, and benefit from the know-how they have painstakingly developed over the last thirty years.

Bringing eco-friendly materials to Europe

Geobois is the European distributor for the Einwood® license to manufacture and know-how; a process originally developed thirty years ago by the inventor of wood composite. Geobois holds exclusive rights to distribute these ecologically sound materials made in Japan under the terms of this same licence agreement, and sold under the Geolam® and Exalam® brand names. Based in the Alsace region of France – an area renowned for its concern about sustainable practices and environmental issues – Geobois distributes other high-tech natural products for all kinds of applications linked to construction: plant walls, for example. The manufacture, deployment and end-of-life cycle of these products all conform to our eco-friendly approach. Marketing Geolam® and associated products via its European distributor network, Geobois is fully aligned with a sustainable development strategy for the construction sector.

Next step: 'Made in Europe'

Geobois is now embarking on a new phase in its relationship with Einwood®, with the decision to produce Geolam® locally, in France. Working in partnership with professionals from the wood, plastic and recycling industries, as exclusive importers of Geolam® we are aiming to create a European production site that conforms to the exacting quality brief that reigns in Japan. Manufacturing Geolam® in close proximity to customers will add further weight to the excellent ecological profile of this innovative product, while reducing its overall cost: ensuring that it meets high quality ecological (in France, HQE or *Haute Qualité Ecologique*) construction criteria even more closely.



Einwood®: internationally acclaimed

The inventor of wood composite and a leading brand

It was 30 years ago that the inventor of wood composite, Nishibori Sadao, created the company Ein in Japan, and registered all the patents related to the manufacture of his exciting new material. Ein distributed its products under the name of Einwood® and issued manufacturing licences in every part of the world. Based in Strasbourg, Geobois became the exclusive importer and distributor of these products for the European Union in 2004. The Einwood® name – internationally recognised since 1996 – provides the expert know-how behind a dozen or more manufacturing centers producing over 1,600,000m² of decking every year and accounting for over 65% of the Japanese market. With 13 registered international patents, this technology makes Einwood® the unrivalled world leader in the manufacture of wood composite.

Spearheading research in the field

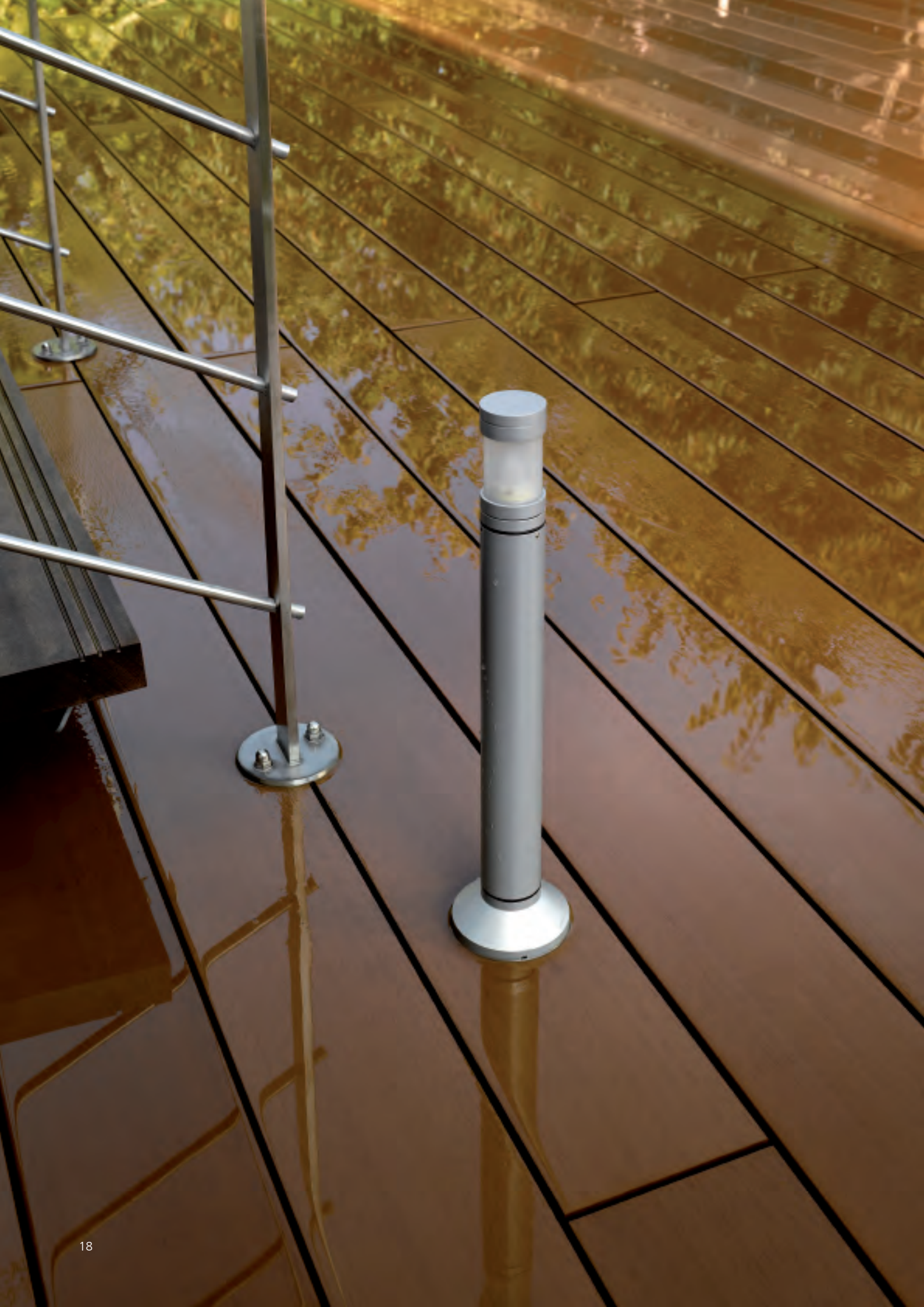
Einwood® sells more than 150 profile types and over 120 different product formulations. Following extensive laboratory research and testing, a dozen or so component ingredients make up the production formula for wood composite developed by Einwood® and distributed in Europe under the Geolam® brand name. These special components endow the wood composite with its superior technical properties, the aesthetic appeal of natural wood, and an exceptional lifespan. All pigments, stabilisers and anti-UV agents are produced and processed with total respect for the environment. Product quality and performance are constantly being improved as part of our research and development programme, and we are actively encouraging collaborative ventures to develop new fields of application for this material.

A rigorous standard for a prestige label

Made from recycled materials and itself recyclable, Geolam® is the one and only wood composite to have achieved the extremely challenging JIS A 5741 standard (Certificate TC0307021) awarded by Japan's national laboratory qualifying recycled composite woods and plastics. This certification guarantees that the product is free of toxic substances potentially harmful to health. Geolam® products have also been awarded Eco-Mark status, a prestige label that is not easy to obtain. Eco-Mark certification guarantees a product is 'eco-friendly' and is only awarded when it has met rigorous criteria, as judged by a committee of academics, government members, consumer associations and industrial experts in their field.

Eco Mark is a label awarded by the Japan Environment Association (<http://www.ecomark.jp/english/>), which guarantees that our products, both inside and outside are totally harmless to human health and are composed of at least 80% raw materials of recycled origin (wood and polymers). As a result, the Geolam® range of products is completely free of chlorine, CFC or other solvents found in products such as PVC. The Japan Environment Association is a member of the Global Ecolabelling Network (<http://www.globalecolabelling.net/>) as well as the European Ecolabel scheme (http://ec.europa.eu/environment/ecolabel/index_en.htm).





The Geobois range: a quality solution for every application

Géolam[®]: the professional range

Geolam[®] is sold in several ranges: **Duo** for home interiors or **Qualita** for intensively used surfaces (public spaces or thoroughfares for heavy machinery or vehicles...) with a larger honeycomb cavity section. For finishing, Geolam **Integra** or **Borda** styles are ideal, as these boards are specially designed for edging, borders, stair treads... With their solid section, and weighing 30% less than their equivalents in the rest of the Geolam range, **Robusta** and **Ipeo** are based on the innovative extruded foam wood composite technology. They are ideal for large-scale constructions requiring numerous vertical or oblique cross-cuts. **Vertigo** and **Allegro** are also popular choices for facades and fascia cladding, as they exploit the insulating properties of wood composite to good effect and ensure that the construction is sustainable, low maintenance, and attractive to look at. **Soleo** and **Careo** are further examples of how decorative cladding can transform the simplest architectural feature, or protect glazed facades from exposure to full sunlight, for example.

These premium products bring out the architectural qualities of buildings, and adapt to every style. They are a welcome bonus to any sustainable development project in the construction sector, and buildings sculpted creatively with composite wood are a pleasure to live in or visit. Japanese architects have understood the real value of these enhancements to our daily living and have stepped up the use of wood composite in vertical, horizontal or criss-cross creations – facade coverings, sun-shades, cladding, screens, decorative panelling, louvered blinds or trellised screens – all adding to the charm and attractiveness of their contemporary creations.

exalam[®]: affordable quality

To complete its product portfolio, Geobois also promotes the Exalam[®] brand, which most notably includes the Optima range of boards. With a reduced content by weight, and so more affordable, Optima remains nonetheless a product of the highest quality. The Exalam[®] brand includes a series of quality products, and has also been awarded the Eco-Mark label, and complies with standard JIS A 5741.

Cliplam[®]: intelligent clip system

The profoundly innovative character of Geobois products is also reflected in its extremely simple installation procedure, which exploits the low weight of hollow-cell or extruded foam boards and the use of specially designed invisible clip fasteners. **Cliplam**[®] is a comprehensive range of invisible and patented clip fasteners guaranteeing profiles are held securely in place, whether they are in composite, softwood or hardwood. Whether fabricated from co-polymers or in aluminium, Cliplam[®] will increase the lifespan of any construction, allowing for the inevitable natural variations in the dimensions of wood, while holding the boards securely on the structure. Designed to withstand extremes of temperature, the clips are designed to survive not only ice, chlorinated or salty water, but also intense sunshine. They will resist insects and detergents as well as continuous high humidity. The system guarantees greater longevity for the boards, as water cannot collect and stagnate. The absence of screws in the visible part of the structure makes the finished effect even more pleasing to the eye, and eliminates any risk of wounding bare feet.

Decking

High-calibre, weatherproof decking

The Geobois range includes over 120 different wood composite product formulations. Each product is designed to be used in a specific context, and exploits the properties obtained by combining wood fibres with resins. For outdoor deck constructions, Geobois' customers in Europe already benefit from the highly reputed Geolam® hollow-cell profiles. They also have exclusive access to an innovative extruded foam formulation: the very first product of its kind. It offers particular advantages for outdoor flooring in wood composite based on wood fibre. Geolam® extruded foam profiles can save more than 30% in materials, and also make the use of edging strips or finishing boards unnecessary.

Infinite scope

The special qualities of Geolam® mean it is perfectly suited to a multitude of outdoor constructions: walkways, public spaces, bridges, walkways, port and marina infrastructures, swimming pool surrounds, hotel terraces...

Clear advantages

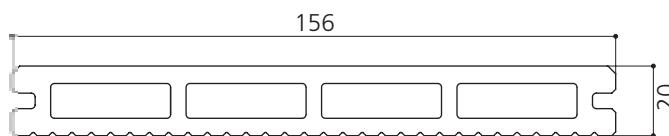
Over and above the many advantages we have described in relation to the design and production of Geolam®, when it comes to decking it offers clear advantages such as:

- large span installations are possible since thicker profiles can be extruded thanks to hollow-cell technology; this is of huge interest in a professional context, and for high-traffic implementations
- rapid, stable installations are made possible by our patented Cliplam® fastener system supplied in aluminium (designed to deter theft, by making it difficult to remove individual boards) and a copolymer version which allows individual boards to be removed or replaced.

Tried and tested technical excellence

Wood composite profiles manufactured in Japan are the only ones that were aimed originally at the professional market. This means that Geolam® satisfies more exacting technical criteria than the equivalent products manufactured in other countries, such as the United States, where priority is given to mass retail outlets such as DIY stores.

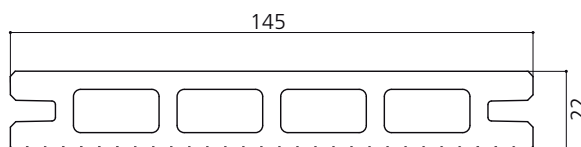
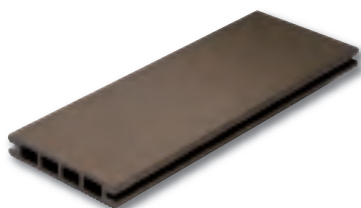
Optima: short board for residential installations



Optima

Thickness	20 mm
Width	156 mm
Length	2,150 mm
Weight	2.13 kg/ml
Face	1 side smooth, the other grooved
Colours	Teak, Rosewood, Ebony
Distance between supports	35 cm

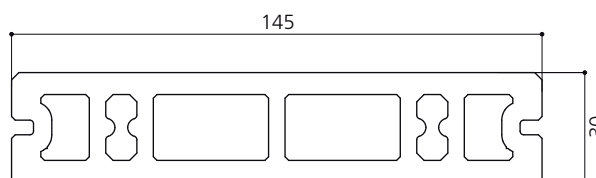
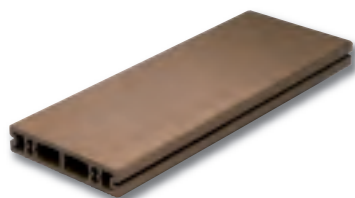
Duo: for residential applications



Duo

Thickness	22 mm
Width	145 mm
Length	3,850 mm
Weight	2.40 kg/ml
Face	1 side smooth, the other grooved
Colours	Teak, Rosewood, Ebony
Distance between supports	45 cm

Qualita: large span, professional quality

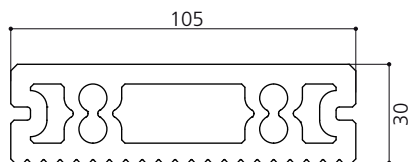


Qualita

Thickness	30 mm
Width	145 mm
Length	3,000 mm
Weight	3.15 kg/ml
Face	1 side smooth, the other grooved
Colours	Teak, Rosewood
Distance between supports	60 cm

Decking

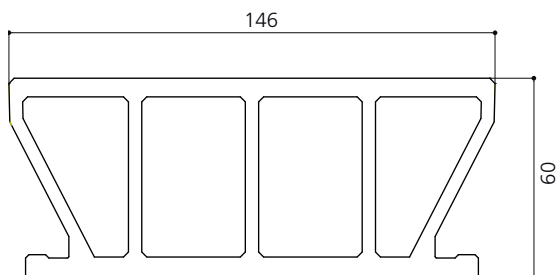
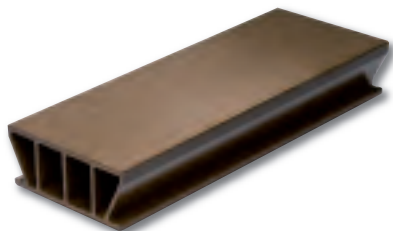
Ponto: narrow board, designed to withstand heavy loads



Ponto

Thickness	30 mm
Width	105 mm
Length	3,000 mm
Weight	2.39 kg/ml
Face	1 side smooth, the other grooved
Colours	Teak, Rosewood
Distance between supports	60 cm

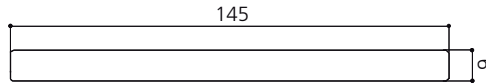
Maxima: large span installations



Maxima

Thickness	60 mm
Width	146 mm
Length	3,000 mm
Weight	3.38 kg/ml
Face	1 side smooth
Colours	Teak, Rosewood, Ebony
Distance between supports	85 cm

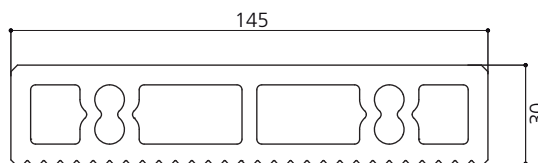
Borda 1: finishing strip



Borda 1

Thickness	9 mm
Width	145 mm
Length	3,850 mm
Weight	1.65 kg/ml
Face	Both sides smooth
Colours	Teak, Rosewood, Ebony

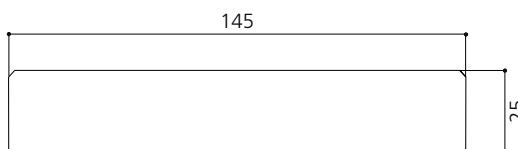
Borda 2: professional quality decking board or finishing strip



Borda 2

Thickness	30 mm
Width	145 mm
Length	3,000 mm
Weight	3.00 kg/ml
Face	1 side smooth, 1 side grooved
Colours	Teak, Rosewood, Ebony
Distance between supports	60 cm

Borda 3: extruded foam finishing strip

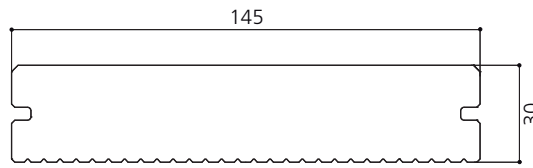
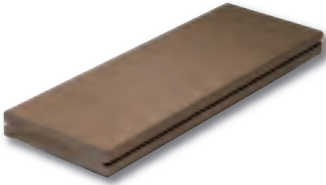


Borda 3

Thickness	25 mm
Width	145 mm
Length	3,850 mm
Weight	3.05 kg/m
Face	1 side smooth, 1 side grooved
Colours	Teak, Rosewood, Ebony
Distance between supports	50 cm

Decking

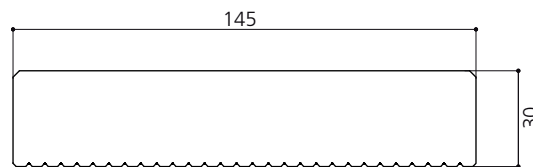
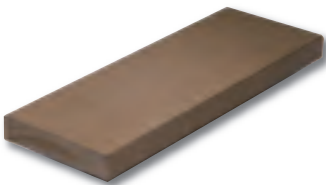
Integra 1: professional quality, clippable, solid board



Integra 1

Thickness	30 mm
Width	145 mm
Length	3,000 mm
Weight	5.41 kg/ml
Face	1 side smooth, the other grooved
Colours	Teak, Rosewood
Distance between supports	60 cm

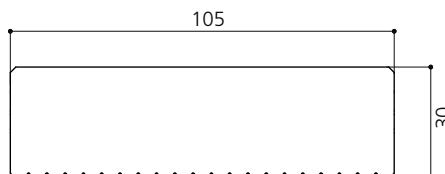
Integra 2: professional quality, solid screwable board



Integra 2

Thickness	30 mm
Width	145 mm
Length	3,000 mm
Weight	5.48 kg/ml
Face	1 side smooth, the other grooved
Colours	Teak, Rosewood
Distance between supports	60 cm

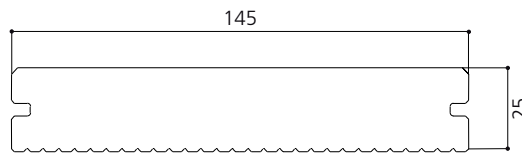
Integra 3: professional quality, large span, load bearing solid board



Integra 3

Thickness	30 mm
Width	105 mm
Length	3,000 mm
Weight	3.97 kg/ml
Face	1 side smooth, the other grooved
Colours	Teak, Rosewood
Distance between supports	60 cm
Also available: Intégra 4, grooved on both sides to accommodate clip system	

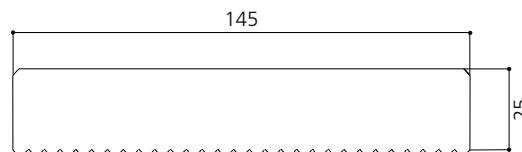
Robusta 1: professional quality, clippable extruded foam board



Robusta 1

Thickness	25 mm
Width	145 mm
Length	3,850 mm
Weight	3.05 kg/ml
Face	1 side smooth, the other grooved
Colours	Teak, Rosewood, Ebony
Distance between supports	50 cm

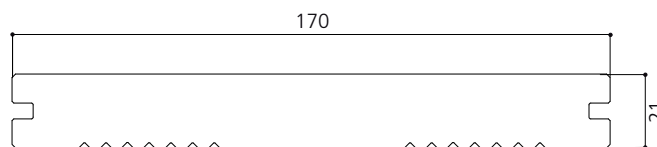
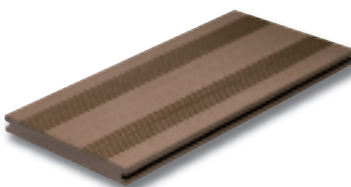
Robusta 2: professional quality, screwable extruded foam board



Robusta 2

Thickness	25 mm
Width	145 mm
Length	3,850 mm
Weight	3.10 kg/ml
Face	1 side smooth, the other grooved
Colours	Teak, Rosewood, Ebony
Distance between supports	50 cm

Ipeo: clippable extruded foam board



Ipeo

Thickness	21 mm
Width	170 mm
Length	2,900 mm
Weight	2.99 kg/ml
Face	1 side smooth, the other grooved
Colours	Teak, Rosewood, Ebony
Distance between supports	40 cm



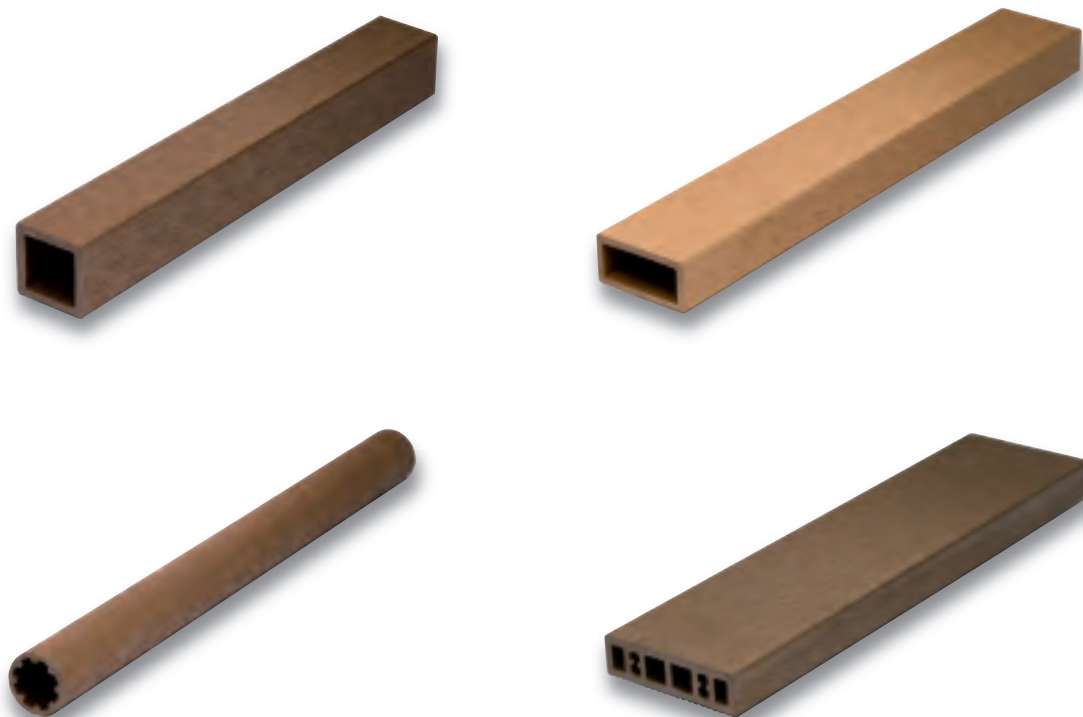
Giving architecture a facelift

Soleo is the range of Geolam® profiles designed for facade cladding, but it can be used to good effect adding a distinctive note to louvered shutters, screens or garden dividers, banisters, wooden fencing, balustrades, or handrails... Geolam® is also ideal for disguising or shielding machinery or technical installations from view within an attractive, purpose-built enclosure.

The product of choice

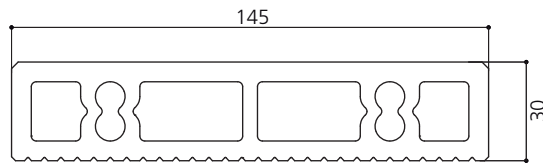
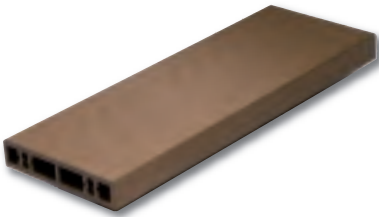
The hollow-cell structure of Geolam® facade cladding boards makes them beautifully light and easy to manipulate. Furthermore, metallic structures can be fitted inside the cavity to reinforce the board's rigidity. There is vast scope for these boards in many different applications, and the end result will always be lovely to look at.

Finally, our square, cylindrical or rectangular section profiles are ideal for stair-banisters, handrails, and balustrades...



Trim

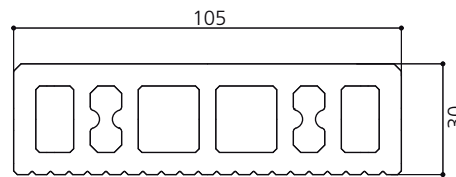
Soleo 1 : fencing, louvered shutters or pergolas



Soleo 1

Thickness	30 mm
Width	145 mm
Length	3,000 mm
Weight	3.00 kg/ml
Colours	Teak, Rosewood, Ebony
Distance between supports	60 cm

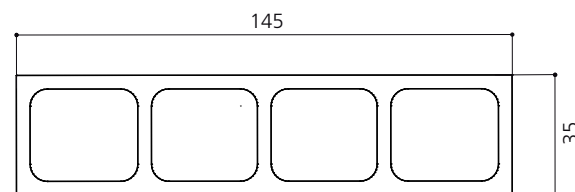
Soleo 2: fencing, louvered shutters or pergolas



Soleo 2

Thickness	30 mm
Width	105 mm
Length	3,000 mm
Weight	2.44 kg/ml
Colours	Teak, Rosewood
Distance between supports	60 cm

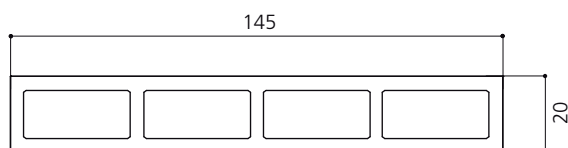
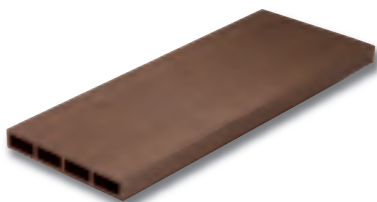
Soleo 3: fencing, louvered shutters or pergolas



Soleo 3

Thickness	35 mm
Width	145 mm
Length	3,000 mm
Weight	2.44 kg/ml
Colours	Teak, Rosewood, Ebony
Distance between supports	55 cm

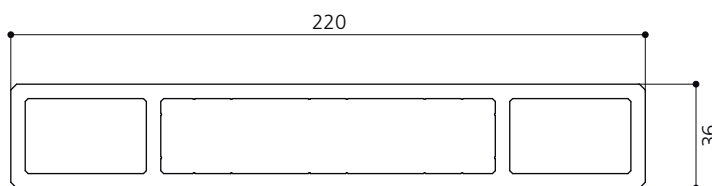
Soleo 4: fencing, louvered shutters or pergolas



Soleo 4

Thickness	20 mm
Width	145 mm
Length	3,000 mm
Weight	2.10 kg/ml
Colours	Teak, Rosewood, Ebony
Distance between supports	45 cm

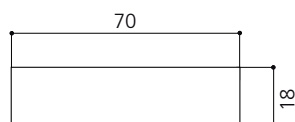
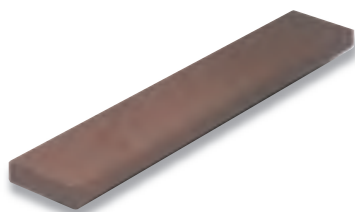
Soleo 5: fencing, louvered shutters or pergolas



Soleo 5

Thickness	36 mm
Width	220 mm
Length	3,000 mm
Weight	3.45 kg/ml
Colours	Teak, Rosewood, Ebony
Distance between supports	65 cm

Tisséó: vertical or horizontal trim

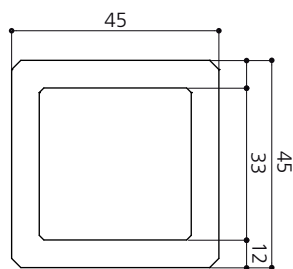


Tisséó

Thickness	18 mm
Width	70 mm
Length	3,000 mm
Weight	1.00 kg/ml
Colours	Teak, Rosewood, Ebony

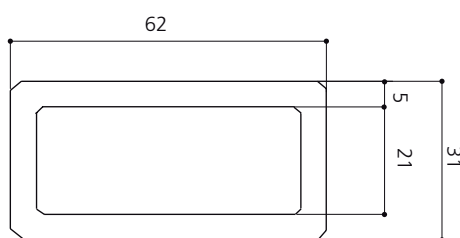
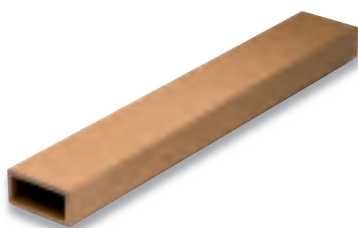
Trim

Careo 1: vertical or horizontal trim



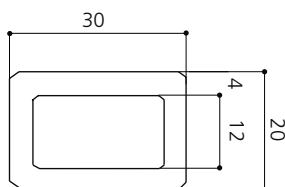
Careo 1	
Thickness	45 mm
Width	45 mm
Length	3,000 mm
Weight	1.18 kg/ml
Colours	Teak, Rosewood, Ebony

Careo 2: vertical or horizontal trim



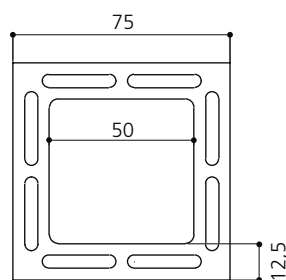
Careo 2	
Thickness	31 mm
Width	62 mm
Length	3,000 mm
Weight	1.00 kg/ml
Colours	Teak, Rosewood, Ebony

Careo 3: vertical or horizontal trim



Careo 3	
Thickness	30 mm
Width	20 mm
Length	3,000 mm
Weight	0.45 kg/ml
Colours	Teak, Rosewood, Ebony

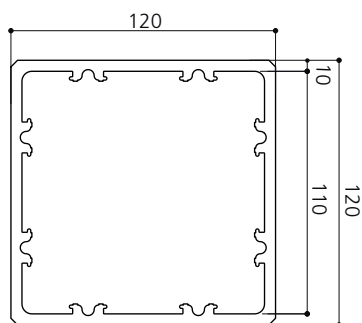
Careo 4: vertical or horizontal trim



Careo 4

Thickness	75 mm
Width	75 mm
Length	3,000 mm
Weight	2.85 kg/ml
Colours	Teak, Rosewood, Ebony
Also available in two other widths	90 and 100 mm

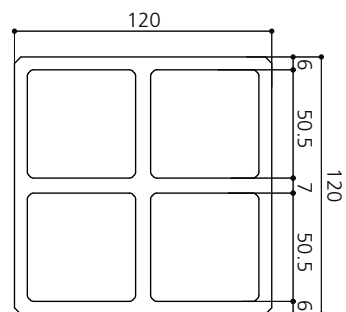
Careo 5: vertical or horizontal trim



Careo 5

Thickness	120 mm
Width	120 mm
Length	3,000 mm
Weight	3.00 kg/ml
Colours	Teak, Rosewood, Ebony

Careo 6: vertical or horizontal trim

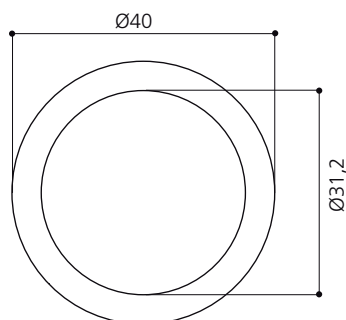


Careo 6

Thickness	120 mm
Width	120 mm
Length	3,000 mm
Weight	5.35 kg/ml
Colours	Teak, Rosewood, Ebony

Trim

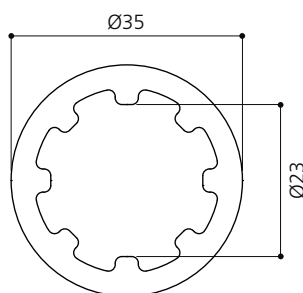
Rondo 1: vertical or horizontal trim



Rondo 1

Diameter	40 mm
Length	3,000 mm
Weight	0.62 kg/ml
Colours	Teak, Rosewood, Ebony
Also available	30 mm diameter

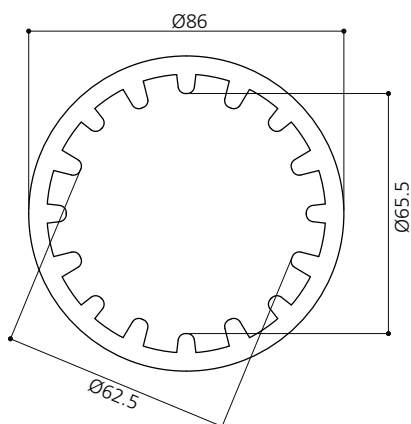
Rondo 2: vertical or horizontal trim



Rondo 2

Diameter	35 mm
Length	3,000 mm
Weight	0.53 kg/ml
Colours	Teak, Rosewood, Ebony
Also available	56 mm diameter

Rondo 3: vertical or horizontal trim



Rondo 3

Diameter	86 mm
Length	3,000 mm
Weight	2.18 kg/ml
Colours	Teak, Rosewood, Ebony



Cladding

Hardwearing and good looking

Geolam® cladding boards are available in hollow-cell or extruded foam formats. Each of the two technologies is designed to be used in specific situations.

Vertigo is the hollow-cell cladding board in the Geolam® range. Thanks to the superior rigidity of the board it is the profile of choice for many contemporary constructions.

Allegro is the extruded foam cladding profile in the Geolam® range. Its low mass makes it possible to work with larger widths – of up to 280mm – and its exclusive formulation gives it much better insulation properties.

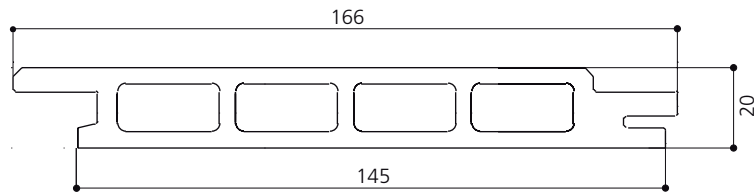
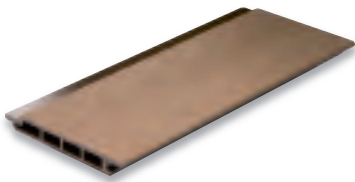
In both cases, Geolam® can be installed in vertical or horizontal designs, depending on the desired effect, and even circular facades can be built using the standard metallic clip system. Geolam® cladding is suitable for both residential and industrial applications.

Advantages that stack up

Geolam® is an innovative product, and is held in high esteem for its contemporary look. The colour in the boards is permanent, and, for large-scale bespoke constructions, special colours can be produced to order. The technology deployed guarantees an impeccable finish.

On a technical level, professional fitters appreciate the precise specification and layout planning that it allows, the low wastage rates, and the speed of installation. Geolam® wood composite eliminates the need for rendering, and needs no maintenance. Finally, it is the perfect solution for building ventilated facades.

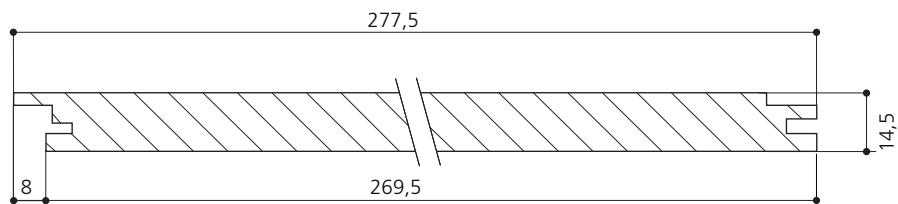
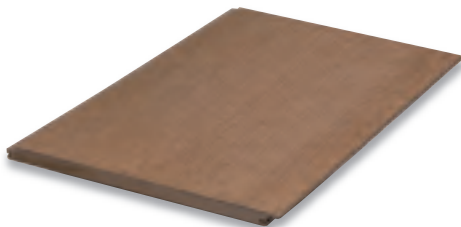
Vertigo: hollow-cell cladding, horizontal or vertical pose



Vertigo

Thickness	20 mm
Width	166 mm
Length	3,000 mm
Weight	2.55 kg/ml
Colours	Teak, Rosewood, Ebony
Distance between supports	45 cm

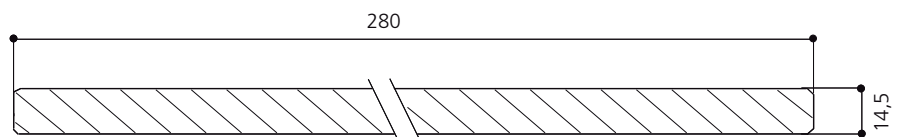
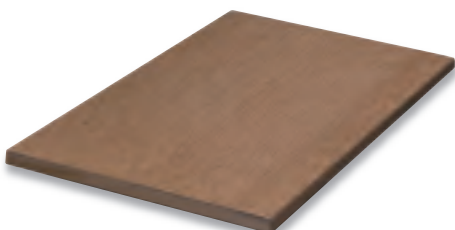
Allegro 1: extruded foam cladding, horizontal or vertical pose



Allegro 1

Thickness	14.5 mm
Width	277.5 mm
Length	3,000 mm
Weight	3.80 kg/ml
Colours	Teak, Rosewood, Ebony
Distance between supports	45 cm

Allegro 2: extruded foam cladding, horizontal or vertical pose



Allegro 2

Thickness	14.5 mm
Width	280 mm
Length	3,000 mm
Weight	3.85 kg/ml
Colours	Teak, Rosewood, Ebony
Distance between supports	45 cm



A style to match any preference

The exotic feel of Teak, the warmth of Rosewood, and a contemporary feel with Ebony: whether traditional or modern, the colours in the Géolam range will blend with any design or colour scheme. The grained look of natural wood is authentic for every one of our colours, and will enhance the architectural qualities of any space or structure. These durable colours permeate the whole board, and when teamed up with other tones, the effect is invariably sensational. More sophisticated decorative effects can be achieved by alternating the smooth and grooved sides of boards, or putting them next to materials of contrasting texture, for example stone, ceramics, tiling, metalwork or plants....

Standard colours



Teak



Rosewood



Ebony

Personalised colours (to order)



Brick



Moleskin



Chocolate



Granite



Cream



Charcoal



Geobois naturelements

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