

REGALBOARD[®]

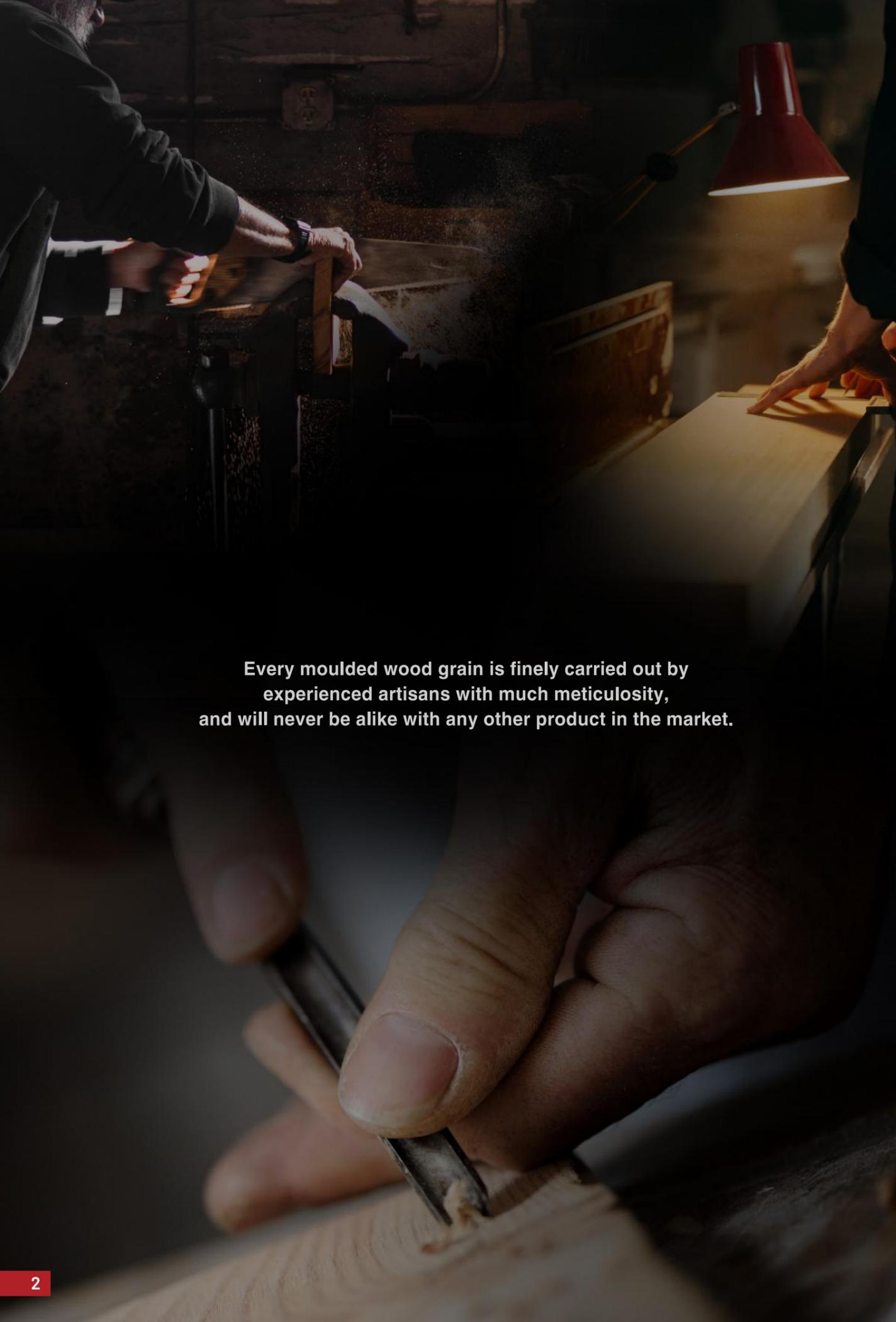
Woodlike Vintage Composite Decking



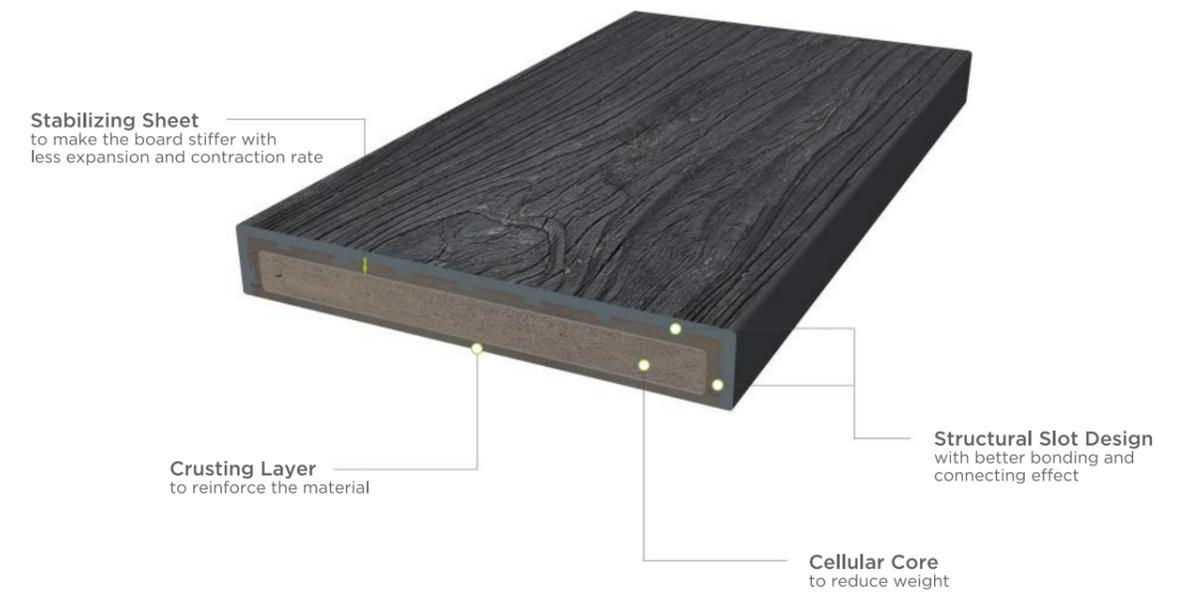
SENTAI[®]

Revolutionary Technology
Most Woodlike Composite Decking

www.sentaiwpc.net



Every moulded wood grain is finely carried out by experienced artisans with much meticulousity, and will never be alike with any other product in the market.



WHAT IS REGALBOARD?

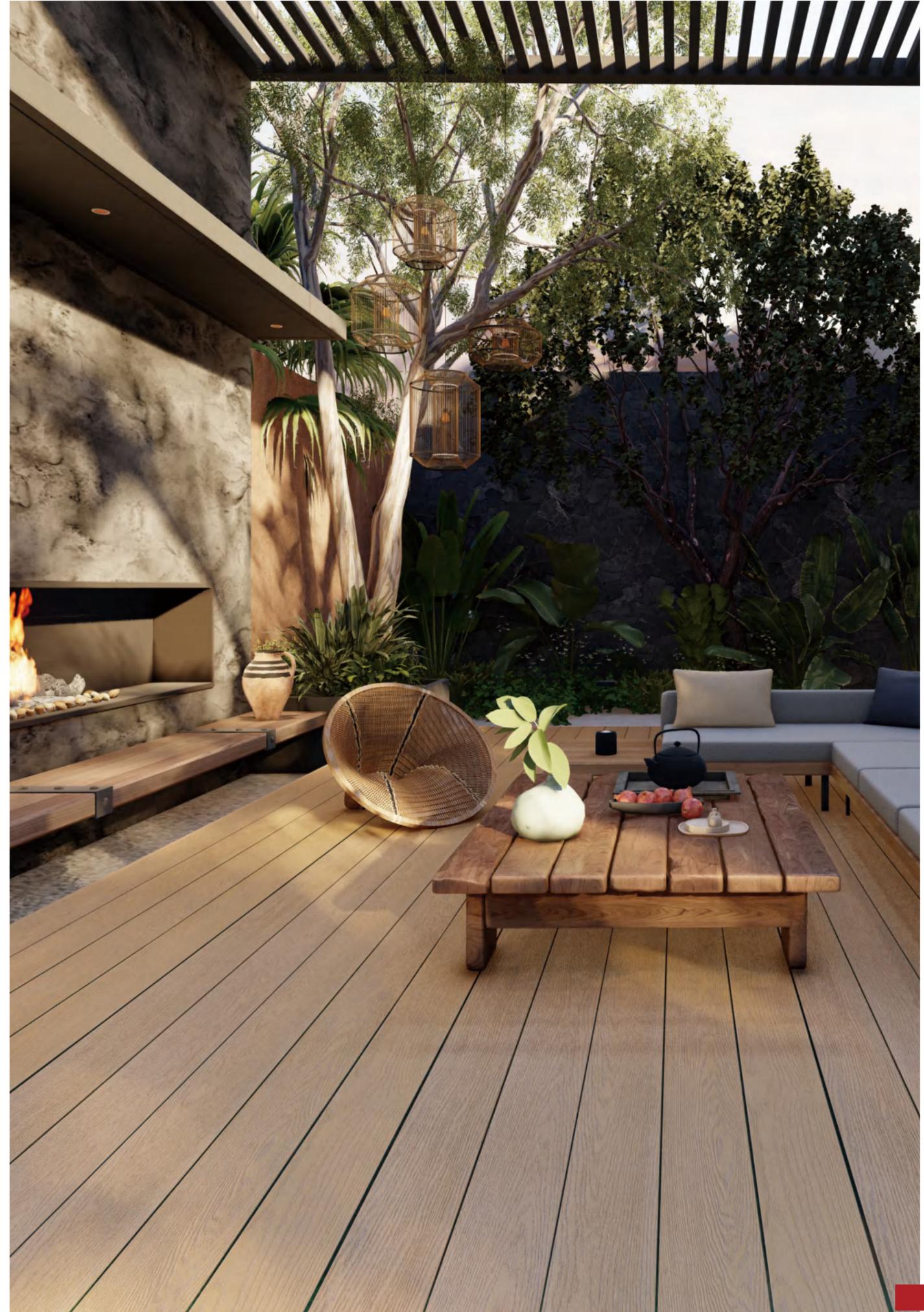
Regalboard, just more than wood , we do not fell wood, but create wood-like building material.





Refined Grain Collection

Regalboard employs the latest surface treatment technology to deliver the most unique and natural decking outlooks with superior performance in all dimensions.



ADVANTAGES OF REGALBOARD DECKING



DISTINCTIVE GRAIN PATTERN
Grain moulded from real wood species



RELIABLE DURABILITY
Reinforcement technology tremendously optimised the board mechanical performance



LOW-MAINTENANCE
The look of timber, without the constant upkeep



SLIP RESISTENT
Safer, children and old people friendly



EASY & EFFICIENT INSTALLATION
No clip needed, screw invisible solution



ROT & CRACK RESISTANT
Free of plant fibers, to avoid moisture, termites, mould, fungi



FRIENDLY TO BAREFOOT
Engineered polyurethane material with soft surface

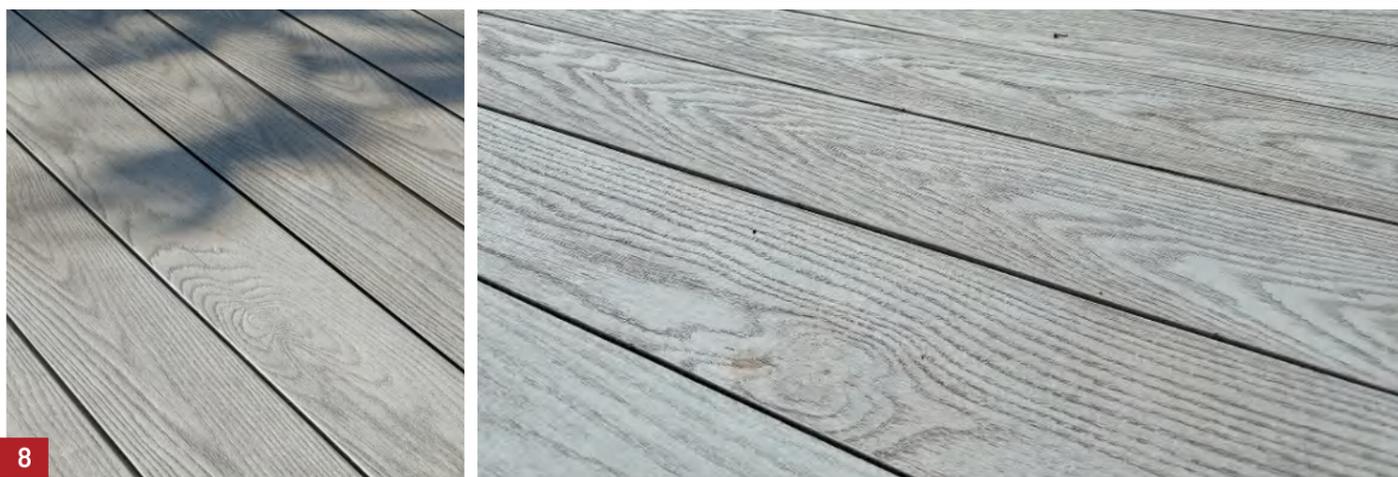


MANUFACTURED WITH SOLAR ENERGY
Art&Craft is fully committed to offering you a product that's green from start to finish

WHY CHOOSE US?

Unique and real grain pattern

For Regalboard, each grain pattern created is rare and never will it be found with the same from any other suppliers in the world. Once the grain detail is closely studied after the installation, it will be easy for the owner to find out how natural it is and agree that it is the most woodlike composite material.



Full sides with grain

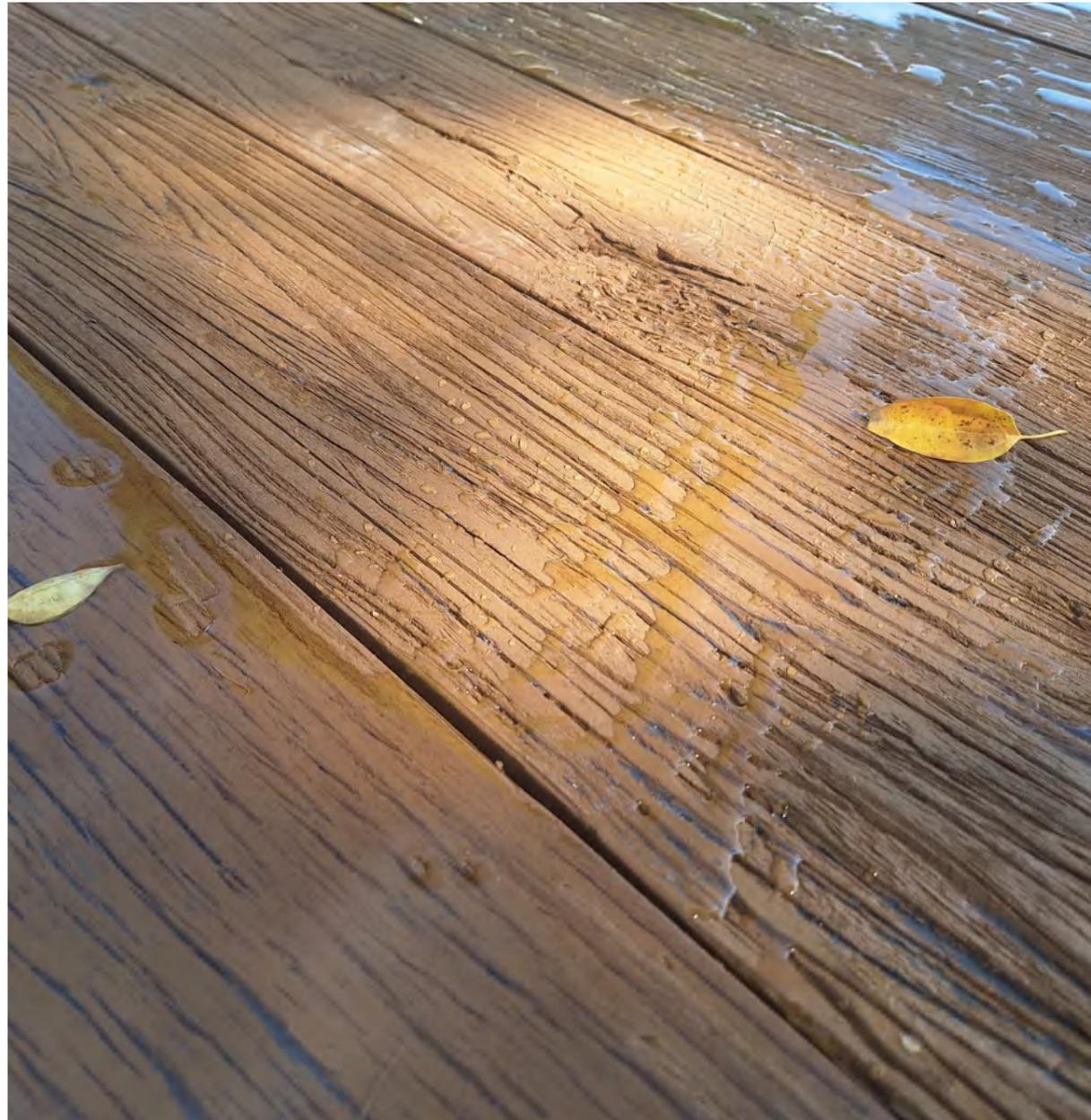
The Regalboard, all sides with grain patterns except the bottom that will not be used. Thanks to the grain patterns on the two long sides and also on two section ends, contractors can use the board to seal and frame the terrace directly.



Top surface and long side grain



Section grain



Excellent anti-slippery performance

The soft surface material makes it easy to create enough friction when people walking on it together with the moulded grain pattern, the slip resistance performance can really surpass other product.

Regalboard, an ideal solution for swimming pool, dock, stair, bridge and etc scenarios which have a strong request on anti-slippery performance.

Friendly to bare-foot touch



Thanks to the special engineered soft cap material, Regalboard is splinter free and the cap is elastic, which offers good sound absorption effect, comfortable and fatigue-free foot touch feeling and the most important is it is friendly to bare-foot, esp.for children.







REGALBOARD

COLOR

Inspired by natural timber tones, Regalboard is able to carry out delicate deckings with both natural grain appearance and vivid color options. Up to your preference, Regalboard is always ready to offer distinctive customized designs with great pattern and color flexibility.

Solid Color



Mix Color



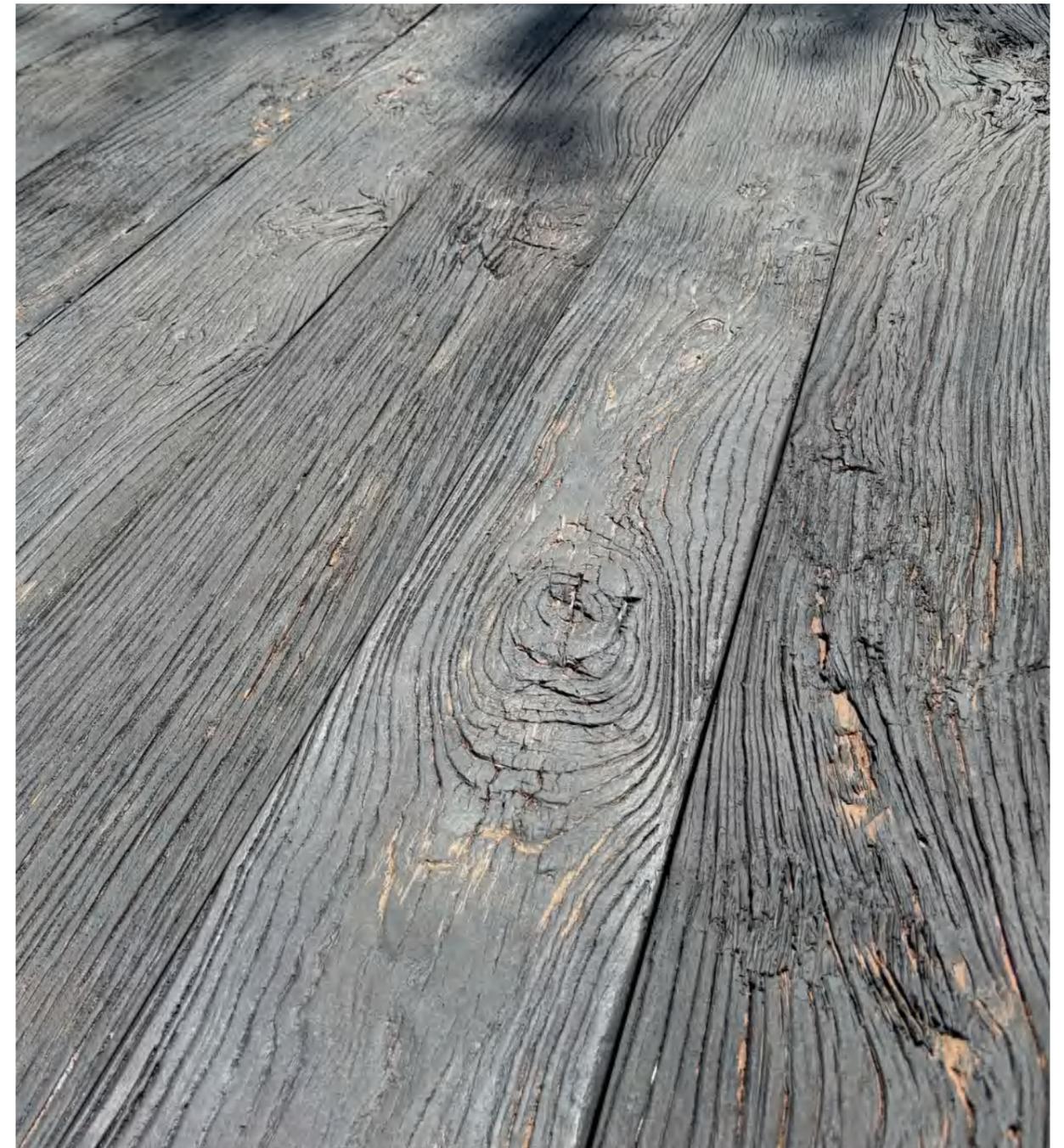
Minimum repeatness of the grain

For the Refined grain pattern, we achieved the non-repeat at 19m² for now and this will be enlarged to 30m² and even 50m² the next. When Regalboard packed in factory, they come in order of different grain patterns, which enables the contractor to have direct installation with minimum repeatness.

Refined Grain Collection



Weathered Grain Collection



Regalboard weathered grain patterns are picked over hundreds of thousands of reclaimed lumber pieces, with the grains been exposed to weather conditions for over 200 years. After meticulously processing, deep and lifelike timber grains are molded and replicated so that the extremely rare ,“endangered” but super nice and natural aged grain patterns can be reproduced and applied in the backyard.

Thanks to the rigid core with reinforcement technology and special engineered soft capping technology, Regalboard weathered grain board offers the awesome durability for longer serving life and the most incomparable aesthetic looks in composite industry.



PROFILE

Decking Board with Refined Grain



Regalboard
STZQJAZ03



Dimensions	175 x 22 mm
Weight	3.38 kg / m
Recommended joist spacing	400 mm on centre

Wide Edge Board



Regalboard
STZQJAZ11



Dimensions	150x 22 mm
Weight	2.993 kg / m
Recommended joist spacing	400 mm on centre

Trim Board



Regalboard
STJAZ07



Dimensions	185.5 x 16 mm
Weight	2.76 kg / m
Recommended joist spacing	/

Flexible Edge Board

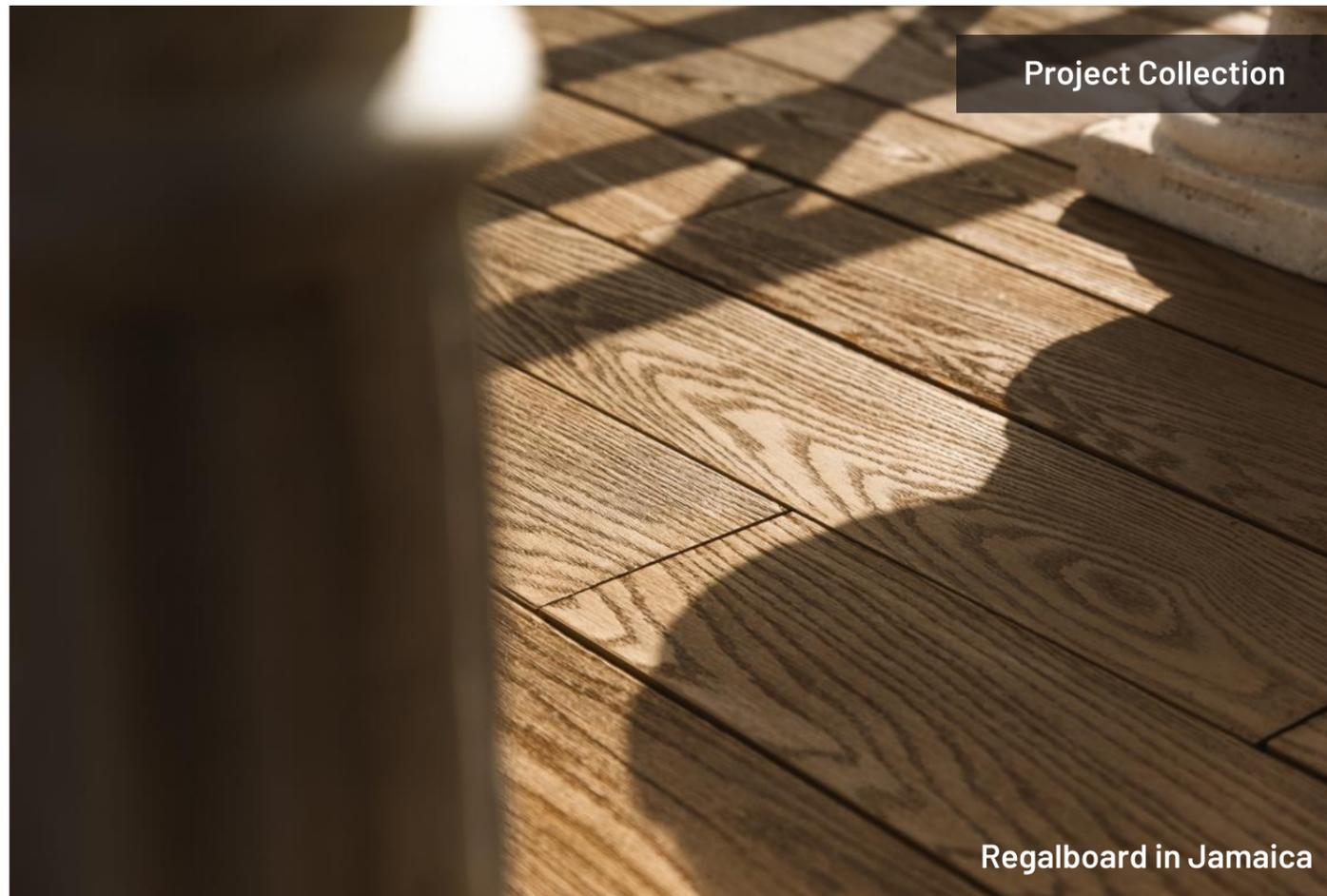


Regalboard
STJAZ08



Dimensions	48x 22 mm
Weight	0.45 kg / m
Recommended joist spacing	/





Project Collection

Regalboard in Jamaica

Decking Board with Weathered Grain

Weathered Grain Solid Color



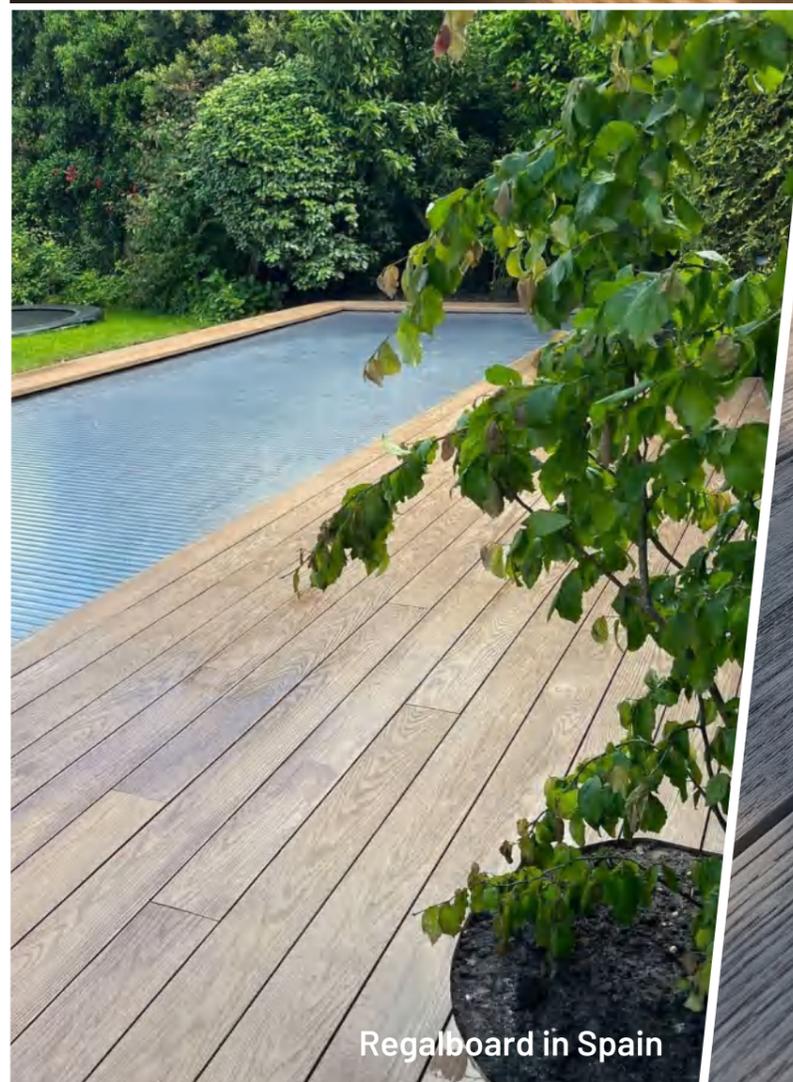
Regalboard
Weathered Grain



Dimensions | 175x 24 mm
Weight | 3.91 kg / m
Recommended joist spacing | 400 mm on centre



Weathered Grain Mix Color



Regalboard in Spain



Regalboard in HongKong



Project Collection

Regalboard in UK



Project Collection

Regalboard in Singapore



Regalboard in Russia



Regalboard in Netherland

REGALBOARD CLADDING

Stabilizing Sheet
to make the board stiffer with less expansion and contraction rate

Cellular Core
to reduce weight

Structural Slot Design
with better bonding and connecting effect



REGALBOARD CLADDING



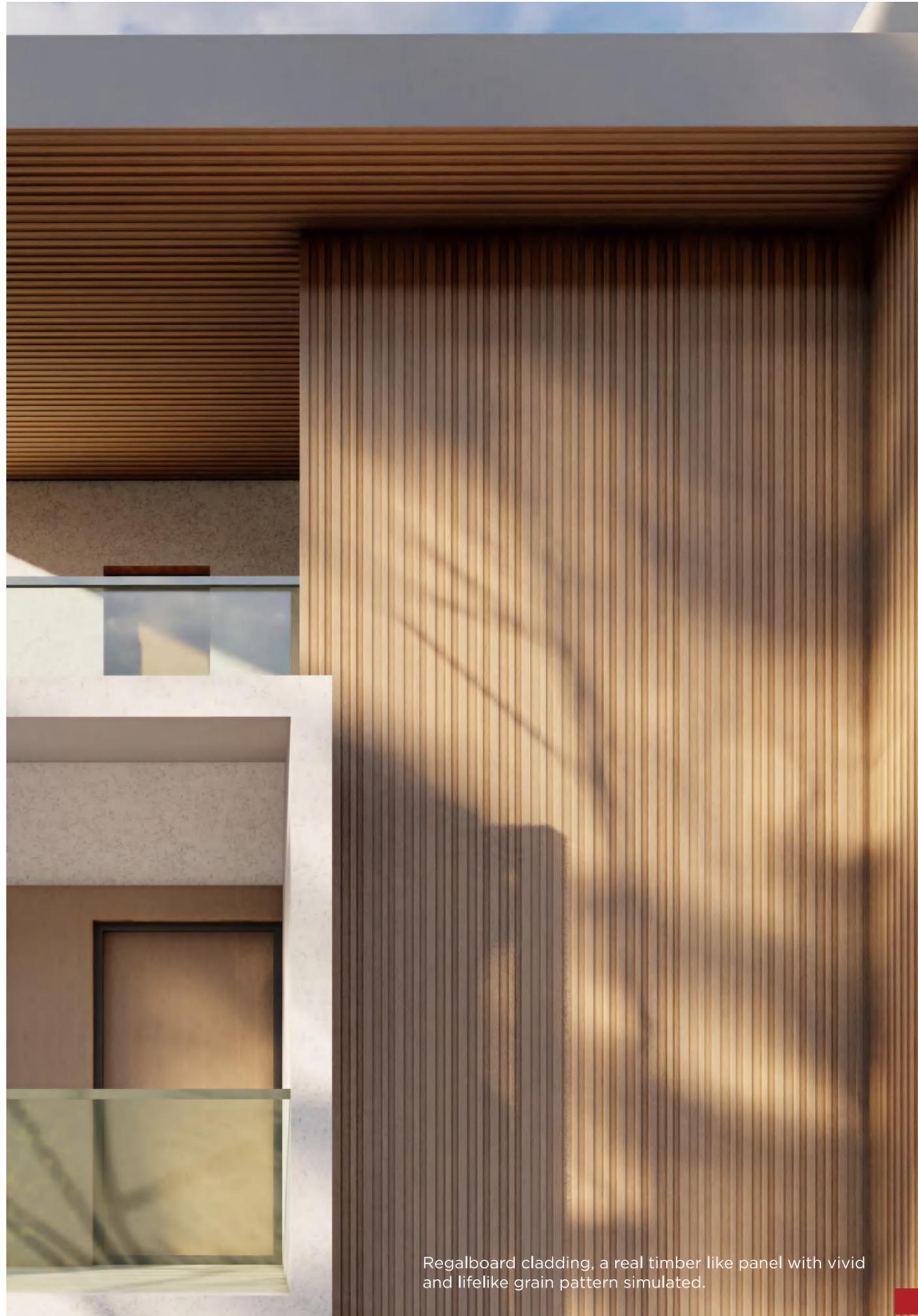


Horizontal Installation





Vertical Installation



Regalboard cladding, a real timber like panel with vivid and lifelike grain pattern simulated.



COLOR

Inspired by natural timber tones, Regalboard is able to carry out delicate deckings with both natural grain appearance and vivid color options. Up to your preference, Regalboard is always ready to offer distinctive customized designs with great pattern and color flexibility.



Fixing Screw



M3040

SS304 material top fixing screw, for structural points fixing to ensure firm fastening effect

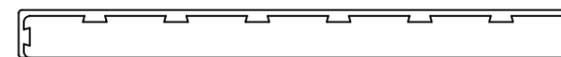
Regalboard Profiles



Un-milled cladding board
STZQJAZ09 179.1x15.5mm



Milled cladding board
STZQJAZ09 179.1x15.5mm



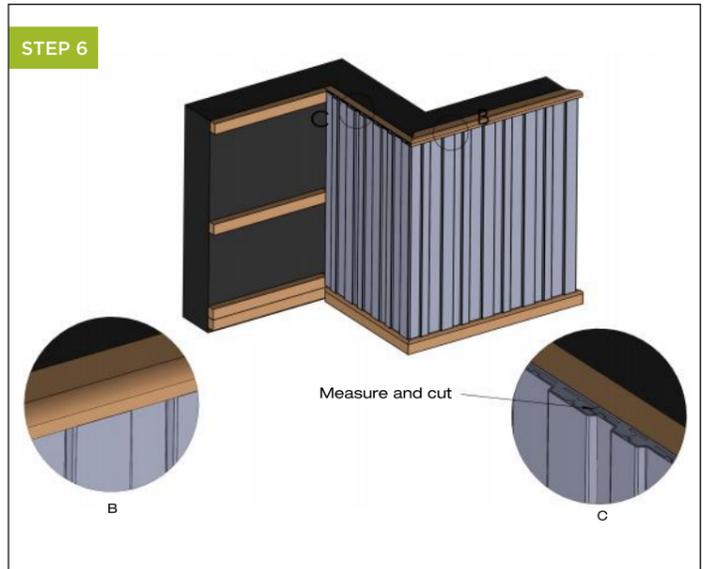
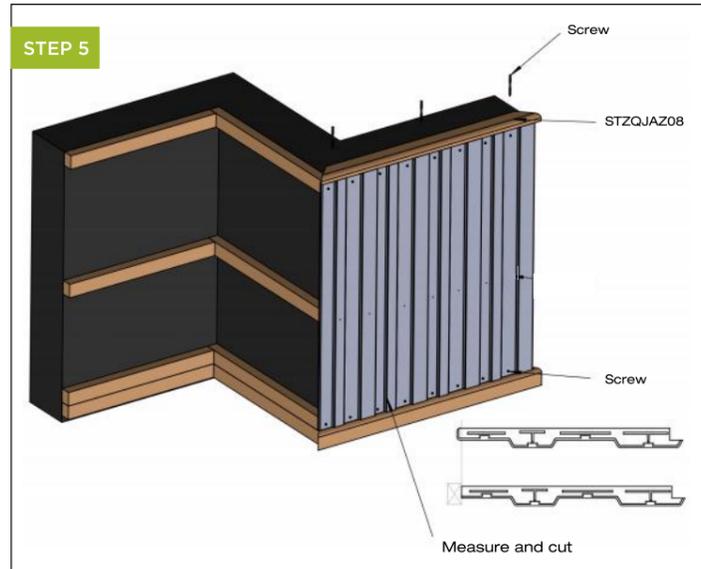
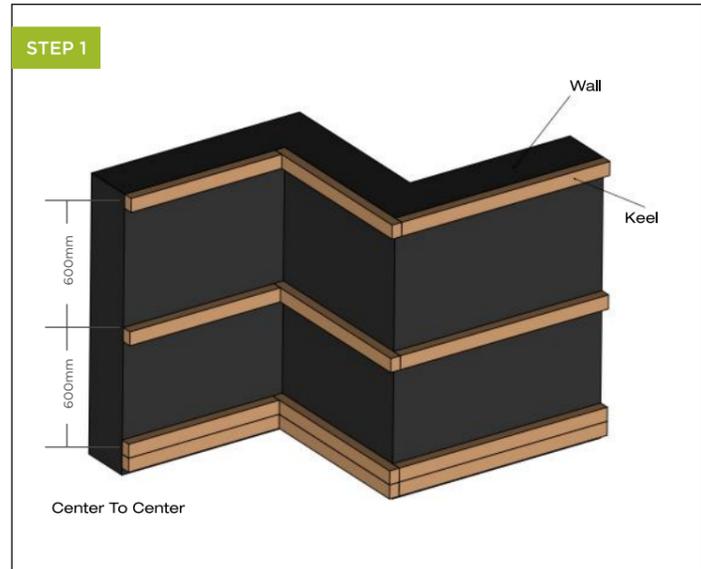
Trim board STJAZ07 187.5x16mm



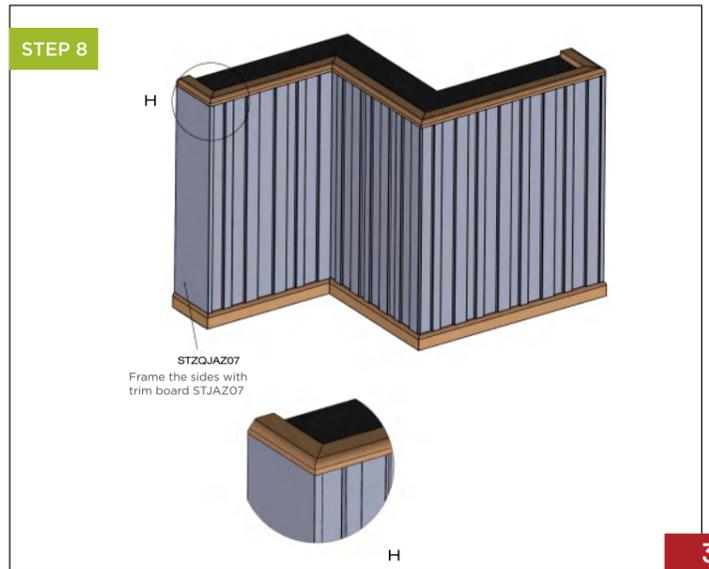
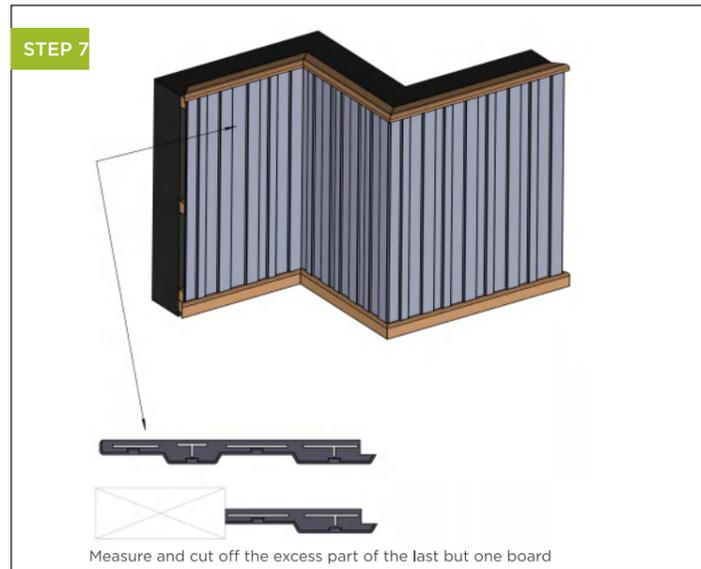
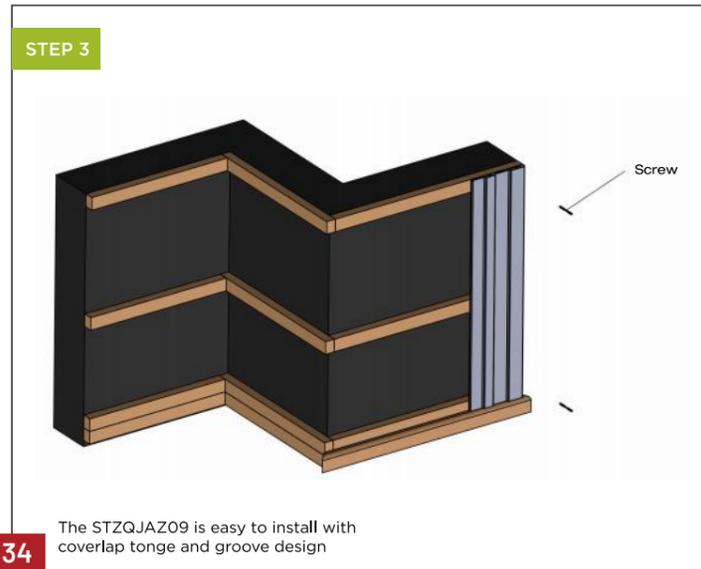
Edge board STJAZ08 48x22mm



Regalboard Cladding Vertical Installation



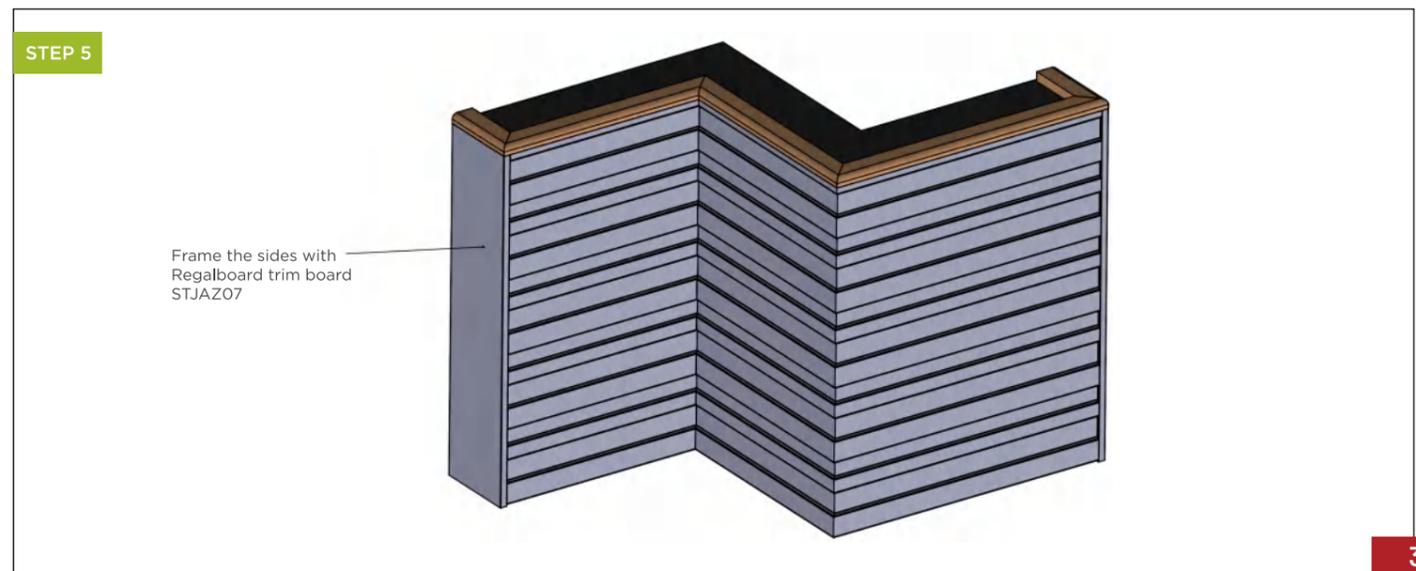
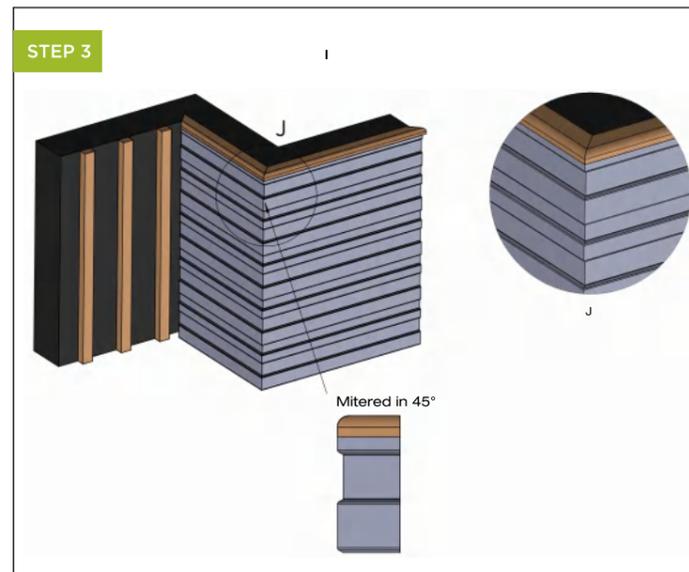
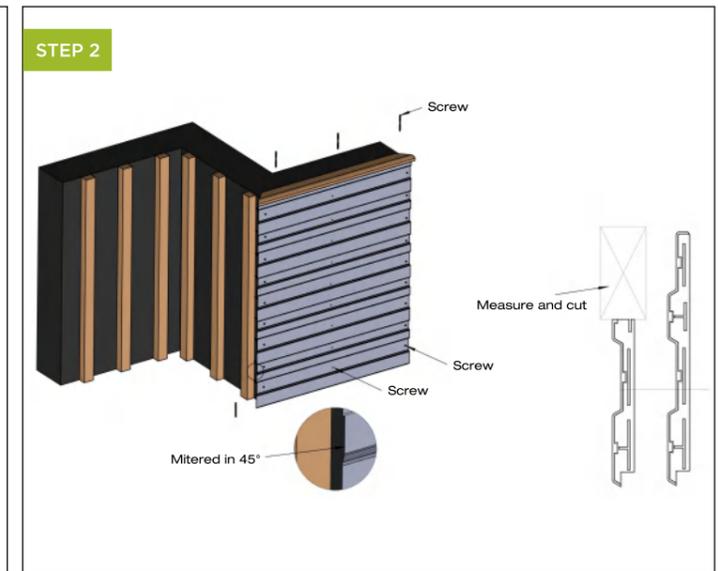
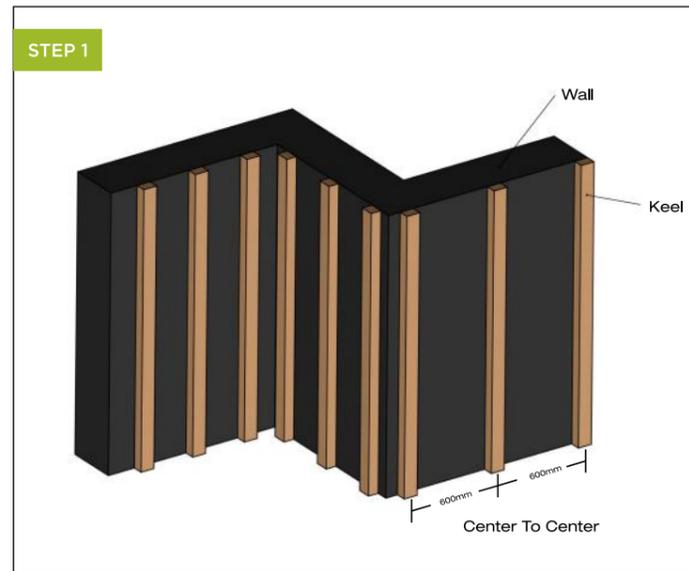
Install the remaining STZQJAZ09 cladding in turn, fix them with screws, if need cut the last but one board excess part at the external corner, and install STJAZ08 edge board on top as frame.







Regalboard Cladding Horizontal Installation





More RegalBoard, Less Deforestation

“As recently as the 19th century tropical forests covered approximately 20 percent of the dry land area on Earth. By the end of the 20th century this figure had dropped to less than 7 percent...”
We endeavored to harvest less forest and keep our planet greener. Thus wood replacement material RegalBoard was developed. Now every 1000kg RegalBoard we produced is equal to save one and half 30-year-old eucalyptus trees, and will reduce 1 m² deforestation.

Replace the wood, reduce the deforestation

Mechanization in the form of chain saws, bulldozers, transportation, and wood processing has enabled far larger areas to be deforested than was previously possible. So it's really easy to fell the forest, but if you agree with us, please join us to have action for deforestation.

More RegalBoard, Less Deforestation.



More RegalBoard, Less Waste

*Turn the waste to wealth

Our RegalBoard core material is with more than 30% recycled PVC material from wasted SPC flooring, window/door frames and etc. These wasted PVC material are ground and then turned into a mechanical blend to be reused for extrusion. Every 1000kg RegalBoard you bought means a 300kg PVC waste material recycled



*Recyclable product, sustainable and eco-friendly



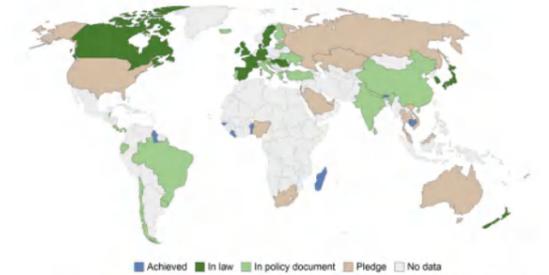
90% of our RegalBoard material is recyclable, which can be collected and reprocessed for reuse to achieve sustainable and eco-friendly product circle life.

Recyclable, Sustainable

More RegalBoard, Less Carbon Emission

The world has come a long way on climate crisis, although over the last several years, we have seen governments around the world desperately grappling with the development right and carbon emission commitment, the COP26 ensures most of the world is now covered by Net Zero Carbon Emissions commitment. The following are some of the main economies' Net-Zero Target,
China, Carbon Neutrality in 2060, written in government policy document
USA, in 2050, pledge
UK, in 2050, in law
Germany, in 2045, in law
France, in 2050, in law
South Africa, in 2050, pledge
Australia, in 2050, pledge
Brazil, in 2060, in policy document
.....

Status of net-zero carbon emissions targets
The inclusion criteria for net-zero commitments may vary from country to country. For example, the inclusion of international aviation emission; or the acceptance of carbon offsets.



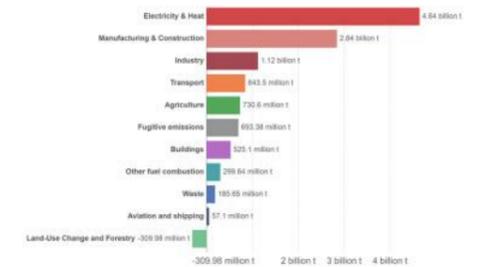
Source: Net Zero Tracker, Energy and Climate Intelligence Unit, Data-Driven EnvironLab, New Climate Institute, Oxford Net Zero. Last updated: 2nd November 2021. Our World In Data.org/co2-and-other-greenhouse-gas-emissions - CC BY

This is an ambitious programme and commitment, which needs every single one of us to be involved to better fulfill it. As a Community of Shared Future for Mankind, we need to have action on energy saving, carbon emission mitigation, promoting circular economy with sustainable, recyclable product.

Green energy, green development

From the right data, it indicates that the main carbon emissions are from the electricity/heat production and manufacturing/construction sectors. Thus, in pursuit of true sustainable development, Sentai built solar panels with an area of about 135,000 square meters on the plant's roof, which can generate 46,000 kiloWatt-hour electricity on a daily basis, which is equivalent to 43 tons of CO2 emissions per day by coal. The solar panels generated green and clean power were used to feed the machines to extrude our RegalBoard, just with the aim of leaving less carbon footprint and create a greener development.

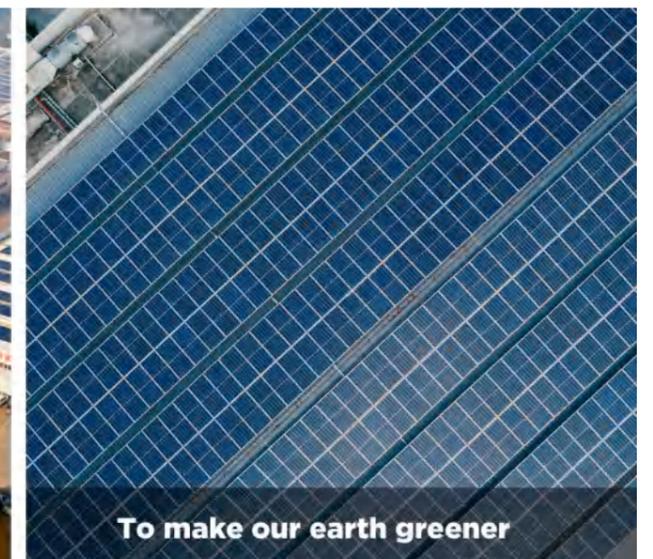
Greenhouse gas emissions by sector, China
Greenhouse gas emissions are measured in tonnes of carbon dioxide-equivalents (CO2e).



Source: CAIT Climate Data Explorer via Climate Watch Our World Data.org/co2-and-other-greenhouse-gas-emissions - CC BY



Solar power in SENTAI



To make our earth greener



MINDSPACE

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