



Alumil

Alumil > WOODÉE



In ALUMIL we build excellence every day!

Through our state-of-the-art production infrastructure and rigorous quality controls throughout the entire production process, we achieve the creation of products with superior quality and high added value.

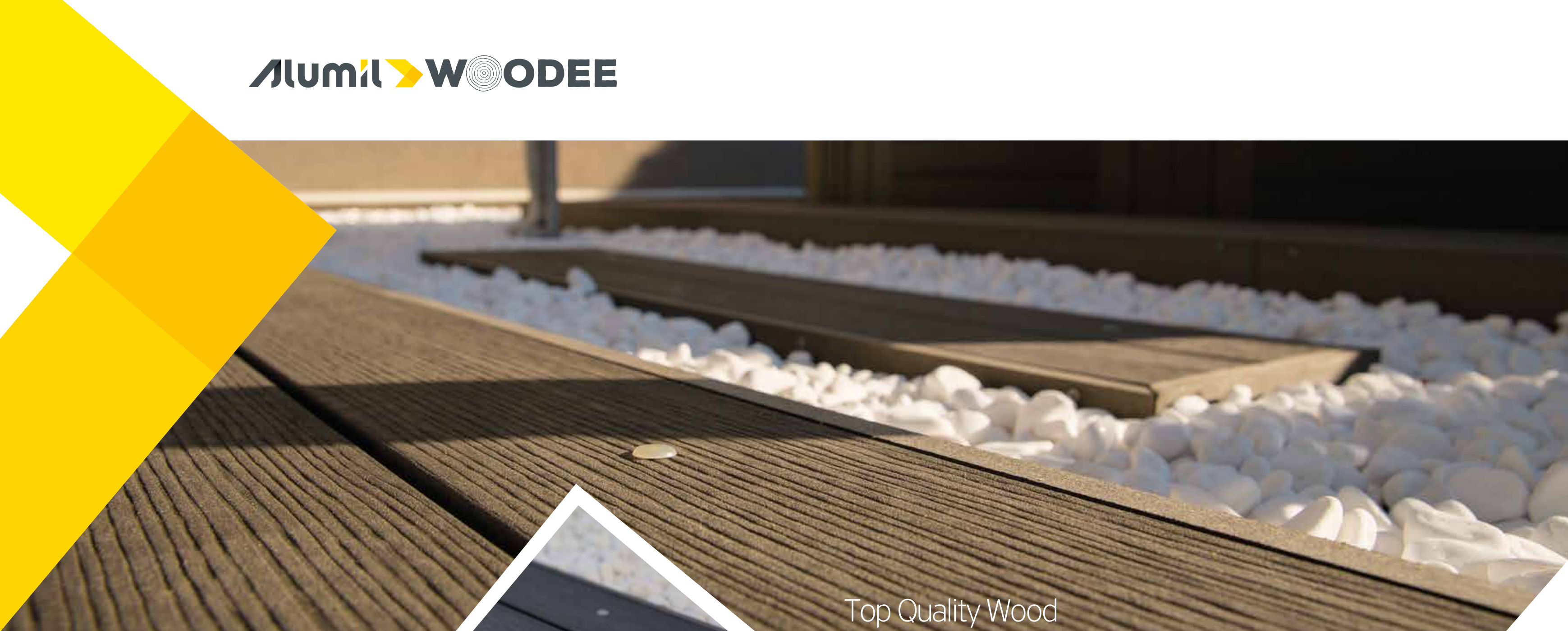
With more than 30 years of experience, ALUMIL is one of the world's leading companies in the design and production of aluminum architectural systems. Our mission is to provide complete solutions with absolutely safe, fully functional and innovative products, which improve living conditions and contribute to sustainable development.

WOODEE, our wood composite decking system, represents precisely this pursuit and is one of the company's advanced technology and top quality proposals in the field of Outdoor Solutions. It incorporates numerous benefits and can be perfectly combined with the company's aluminum architectural systems.

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Top Quality Wood Composite Decking

WOODEE is ALUMIL's proposal for top quality wood-composite decking, offering a wide variety of solutions with five different wood surfaces in various widths and is available in nine distinct colors.

Its specific recipe with 60% virgin wood and 40% non-toxic HDPE (high density polyethylene) maintains the scent and the advantages of natural wood and at the same time provides long life attributes, such as extreme resistance, low thermal expansion, very low moisture absorption, high impact and flexural strength, easy maintenance and many more. That it is why it is accompanied with a 25 year warranty.

Truly ideal for outdoor decking and flooring by swimming pools, in winter-gardens, balconies, restaurants, piers and coastal boardwalks, spa & mountain resorts and much more.

Apart from decking, the system offers uniform solutions for fencing as well as wall cladding.

25 YEAR WARRANTY

The unique recipe and the special production procedure provide a final product with exceptional performances and make it last much longer than any hardwood. Thus, WOODEE is offered with a 25-year warranty against wood-decaying factors (fungi, rot, parasites, insects).



EXTREME RESISTANCE

Highly durable with extreme resistance against the weathering effects of rain, snow, frost, high temperature, intense sunlight and UV radiation as well as **against** other harmful factors which effect natural wood (fungi, insects, rot etc.). Moreover, it is resistant against chlorine and salty water, thus being ideal for pool terraces and seaside constructions.



EXTREME STURDINESS

Being solid and having this special recipe, WOODEE boards are extremely robust and resistant to impact and flexural loads, with top anti-distortion attributes. Better **behavior** and lower risk of damage or paddle creation, even if high temperature differences occur.



INDEFINITE DESIGN SOLUTIONS

Make your choice and design the outdoor space of your dreams. WOODEE is a very versatile product with a great range of architectural solutions. Used either for decking, fencing or cladding, with a range of 9 colors and various surface patterns (linear, vintage etc.).





SENSE OF WOOD

The absolute sense of wood brings you closer to nature and provides your space with undeniable beauty and naturalness. Just choose one of our special woody textures and color of your taste.



TOTALLY SAFE EVEN FOR BAREFOOT

The anti-slip surface with no splinters and all fixing screws concealed, along with the absence of burning issues, even on dark-colored surfaces with intense sunlight, eliminate completely the risk of injuries and make WOODEE boards totally safe for bare-feet children and adults.



EASY TO MAINTAIN

There is no need of maintenance such as staining, painting, oiling and waterproofing. Regarding cleaning, thanks to the very low water absorption, the rain by itself is quite enough. Alternatively, it can be washed quickly with the help of a water hose.



FRIENDLY TO ENVIRONMENT

Being a high-performance material and by far the best alternative against tropical hardwood, our product enhances environmental responsibility without any compromise in usability, taste and style. HDPE, used often in the healthcare sector, is not toxic in contrast to other plastic compounds and does not contaminate the surrounding area.





A variety of solid profiles for sturdy and long lasting decks

DS DECK STANDARD

The classic choice for exterior decking boards.



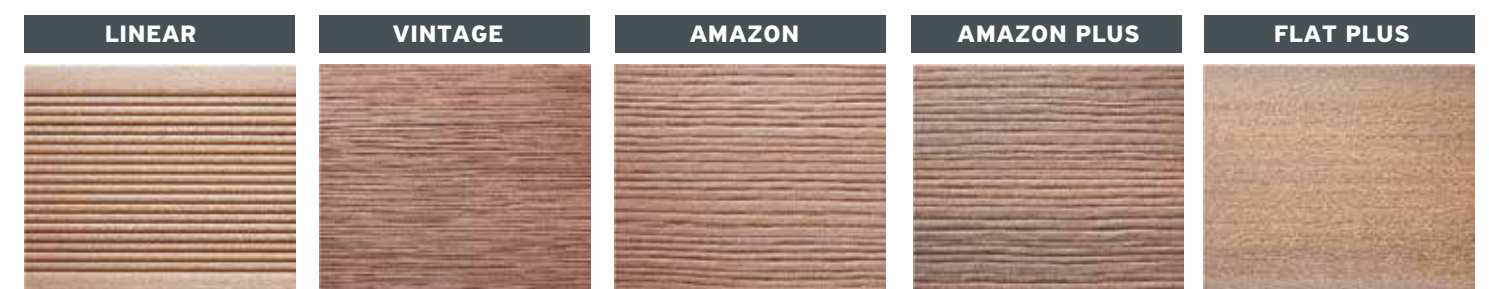
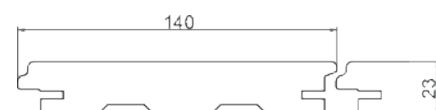
DW DECK WIDE

An alternative elegant solution, with more robust decking profiles



DO DECK OVERLAP

A smart overlapping design for eliminating the gaps in-between



A vast variety of decking profiles in various textures and colors which provide an absolute real sense of wooden floor.

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DECKING Linear

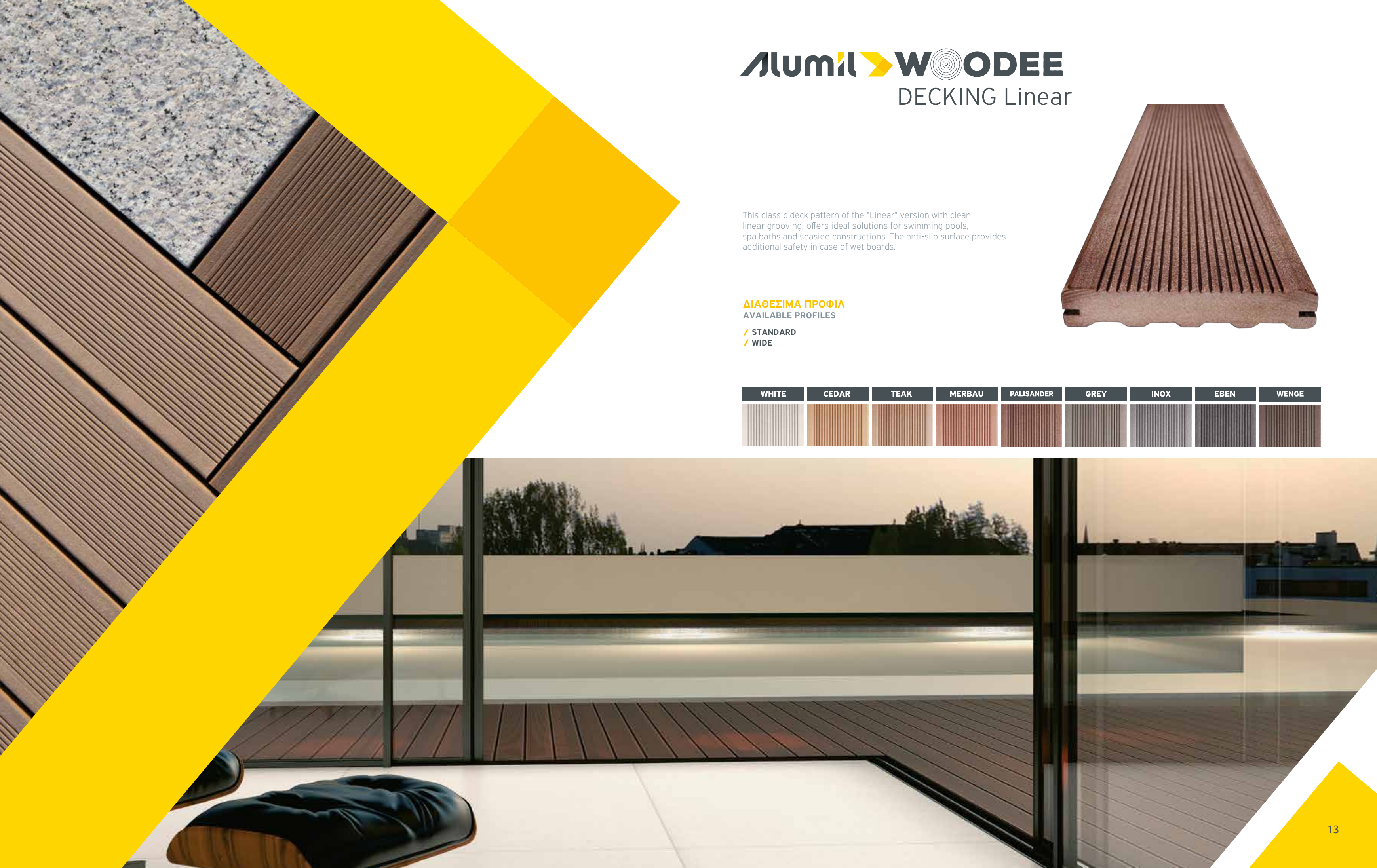
This classic deck pattern of the "Linear" version with clean linear grooving, offers ideal solutions for swimming pools, spa baths and seaside constructions. The anti-slip surface provides additional safety in case of wet boards.



ΔΙΑΘΕΣΙΜΑ ΠΡΟΦΙΛΑ
AVAILABLE PROFILES

- / STANDARD
- / WIDE

WHITE	CEDAR	TEAK	MERBAU	PALISANDER	GREY	INOX	EBEN	WENGE



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DECKING Vintage

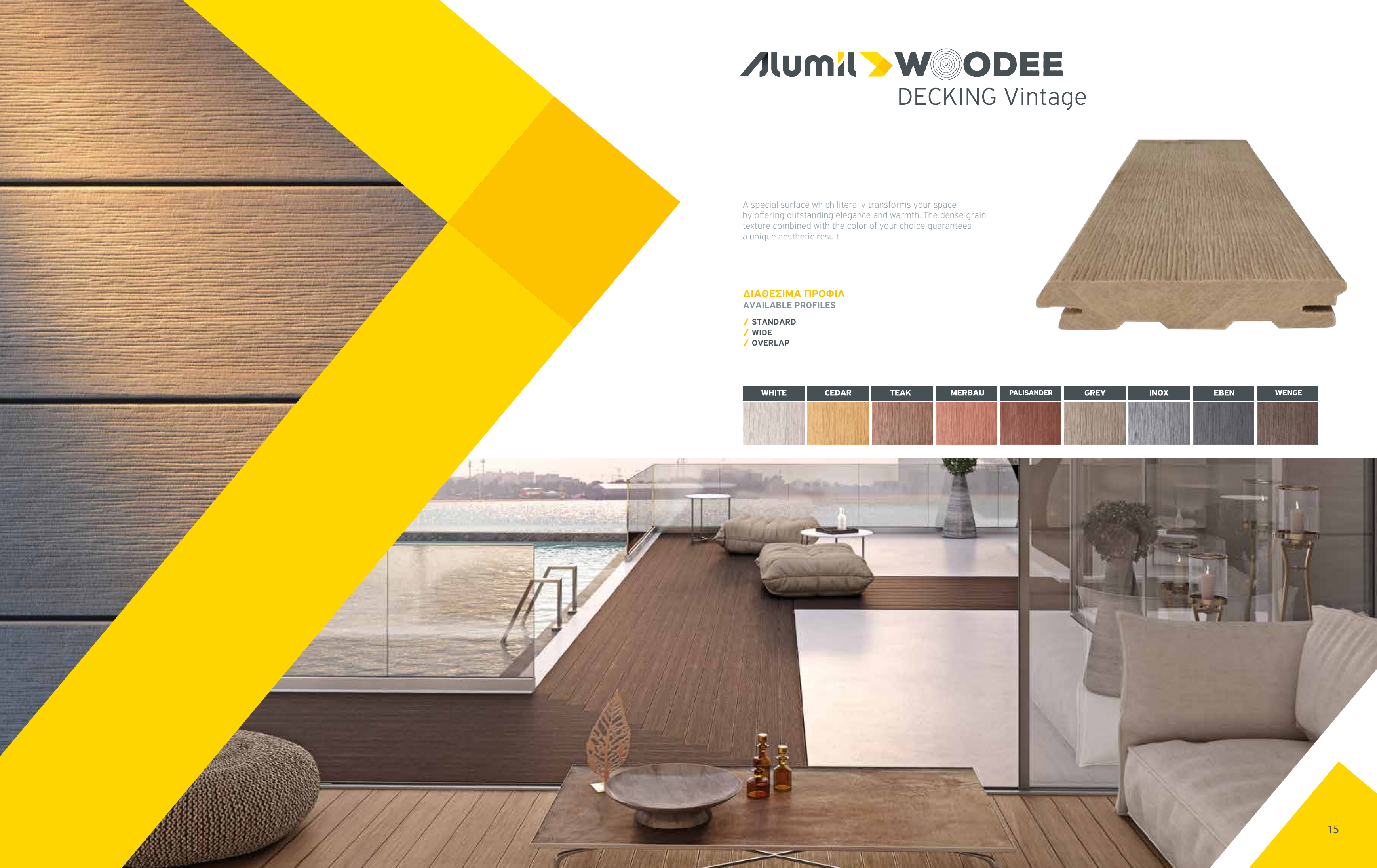
A special surface which literally transforms your space by offering outstanding elegance and warmth. The dense grain texture combined with the color of your choice guarantees a unique aesthetic result.

ΔΙΑΘΕΣΙΜΑ ΠΡΟΦΙΛΑ AVAILABLE PROFILES

- / STANDARD
- / WIDE
- / OVERLAP



WHITE	CEDAR	TEAK	MERBAU	PALISANDER	GREY	INOX	EBEN	WENGÉ
								



Alumil > WOODEE

DECKING Amazon & Amazon Plus

The surface option "Amazon" is characterized by a delicate brindle texture specially designed to satisfy all of your aesthetic preferences. When also combined with the shading of the "Amazon Plus" pigmentation, the overall result makes an outstanding impression of tropical wood.

AVAILABLE PROFILES

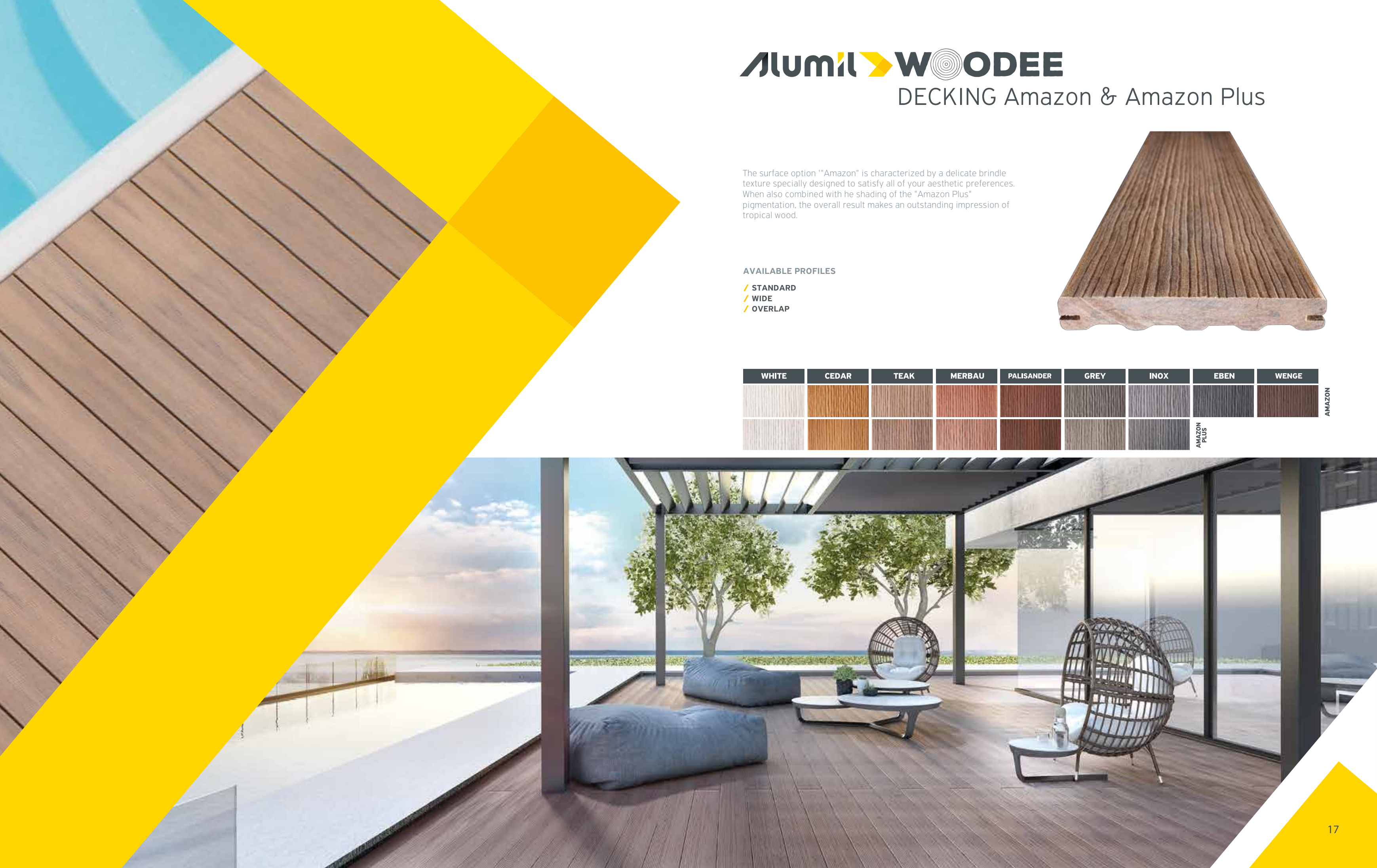
- / STANDARD
- / WIDE
- / OVERLAP



WHITE	CEDAR	TEAK	MERBAU	PALISANDER	GREY	INOX	EBEN	WENGE
								
								

AMAZON PLUS

AMAZON



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DECKING Flat Plus

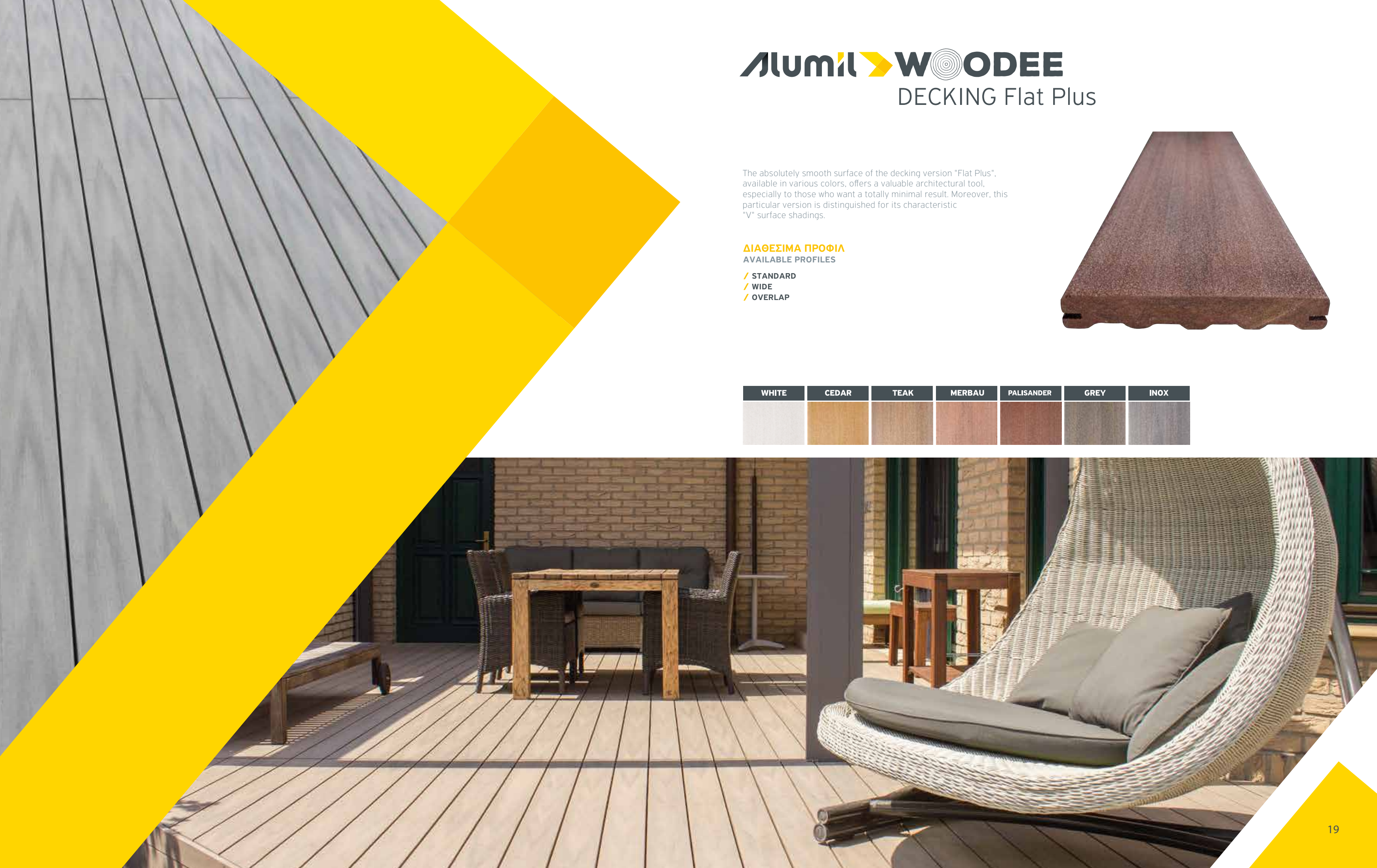
The absolutely smooth surface of the decking version "Flat Plus", available in various colors, offers a valuable architectural tool, especially to those who want a totally minimal result. Moreover, this particular version is distinguished for its characteristic "V" surface shadings.

ΔΙΑΘΕΣΙΜΑ ΠΡΟΦΙΛΑ AVAILABLE PROFILES

- / STANDARD
- / WIDE
- / OVERLAP



WHITE	CEDAR	TEAK	MERBAU	PALISANDER	GREY	INOX

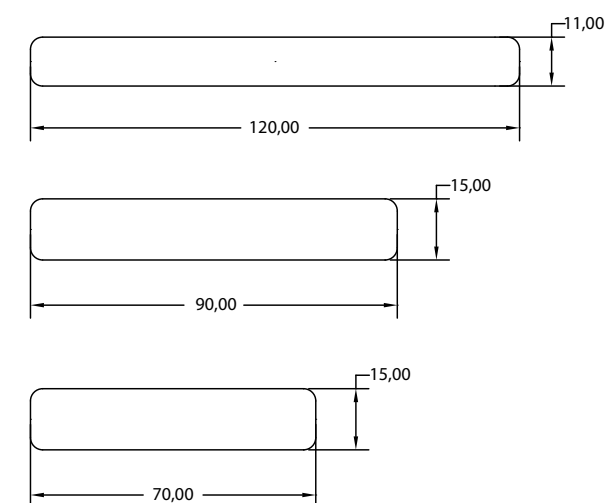
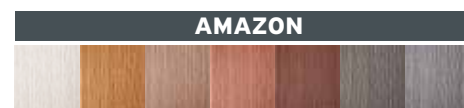




Fencing boards at various dimensions and surface patterns at both sides

Combine the fencing board of your choice either with a simple support construction or with one of ALUMIL Fencing series and surround your space in a homogeneous and highly aesthetic manner.

Available in most surface patterns and colors of the versions Amazon, Vintage and Flat Plus.



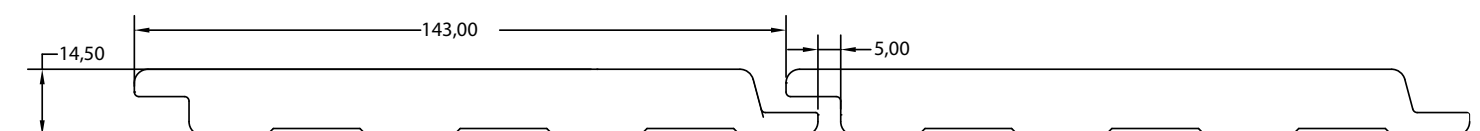


Specially designed cladding profiles without gaps and joints in between

Provided in all available surface options (Amazon, Vintage, Flat Plus), WOODEE Cladding covers walls perfectly and offers an beautiful result.



Cladding profiles can be easily supported on a simple aluminium or WOODEE transom structure and alternatively (e.g. in case of external wall insulation) on a more sophisticated ALUMIL support system, as M7000.



Installation & Accessories

TRANSOMS

Wood composite transoms in two (2) different dimensions (50x50 mm and 50x30 mm).



CLIPS

Stainless steel or plastic fittings for a quick and sturdy fastening of the bars on the composite transoms



Accessories

Installation

DECKING

WOODEE boards are offered together with a simple to construct support system of the same material, with absolutely concealed anchoring, which consists of various transoms, perimetrical finishing and stainless steel connectors.

FENCING

Fencing profiles can be easily fixed vertically or horizontally on a simple construction of your choice as well as on a more sophisticated ALUMIL support system, e.g. M8350. In this case profiles can be placed continuously or between aluminium mullions.

CLADDING

Cladding profiles can be easily supported on simple aluminium profiles or WOODEE transom structures. Alternatively, in case of external insulation and other special solutions, the more complex ALUMIL support system M7000 is suggested.

ΤΕΛΕΙΩΜΑΤΑ / FINISHINGS

Wood composite finishing available in all shades and four (4) different widths

70 mm X 16 mm / 90 mm X 16 mm / 137 mm X 23 mm / 195 mm X 23 mm



SPECIAL APPLICATIONS

Since WOODEE can be processed like hard wood, various constructions are possible, apart from normal decking, such as stairs, different surface combinations, round shaped terraces, etc.

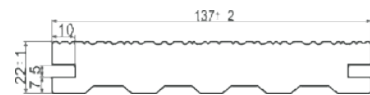


Characteristics & Performances

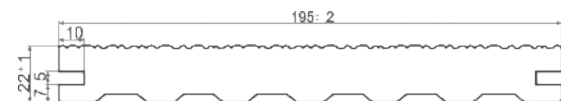
Tests	Value	Standards
Flexural strength	21,7 MPa	min. 20 MPa
Shrinkage by thermal test (100°C, 60 min, longitudinal direction)	0,02%	max. 0,1%
Impact strength (resistance to impact by falling mass in cold)	0% damaged	max. 10%
Slipperiness (friction coefficient)	0,5-0,6	min. 0.3%
Swelling in water (28 days, 20°C)	1%	max. 1.5%
Swelling up after moisture resistance test by cycling	1,10%	max. 2.0%
Flexural strength after moisture resistance test by cycling	20,3 MPa	min. 17 MPa
Coefficient of Thermal Linear Expansion ASTM D696	2,88* 10-2 mm/m/°C	
Reaction to fire	Dfi -s1	
Density	1210 kg/m3	
Surface Hardness (Brinell)	Very resistant material	
Termite resistance	No attack in the initial state and also over time	
Resistance to fungus	Very durable material, the aging tests do not affect the durability	
Dimension Tolerance	Length +/- 10 mm, Width +/- 2 mm, Thickness +/- 1 mm	



DS Deck
Standard


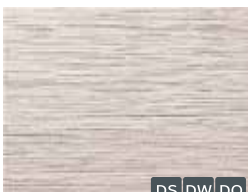
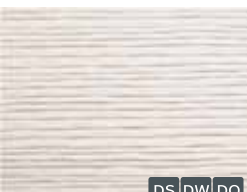

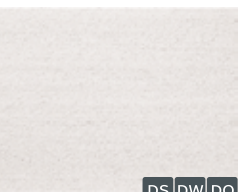
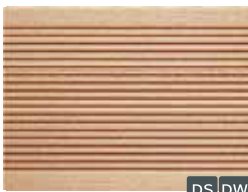




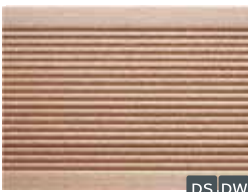
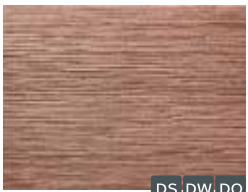















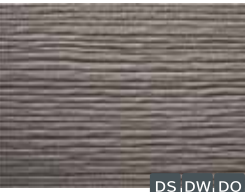
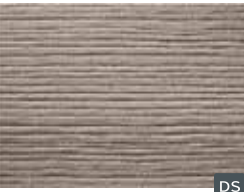






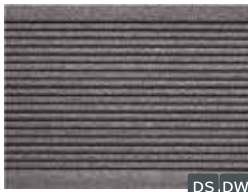

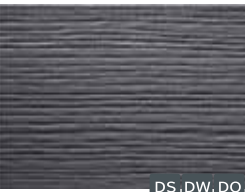





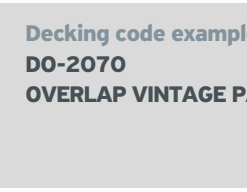



DW Deck
Wide



DO Deck
Overlap



	LINEAR 10	VINTAGE 20	AMAZON 40	AMAZON PLUS 50	FLAT PLUS 70
WHITE 10	 DS DW	 DS DW DO	 DS DW DO	 DS	 DS DW DO
CEDAR 20	 DS DW	 DS DW DO	 DS DW DO	 DS	 DS DW DO
TEAK 30	 DS DW	 DS DW DO	 DS DW DO	 DS	 DS DW DO
MERBAU 40	 DS DW	 DS DW DO	 DS DW DO	 DS	 DS DW DO
PALISANDER 70	 DS DW	 DS DW DO	 DS DW DO	 DS	 DS DW DO
GREY 50	 DS DW	 DS DW DO	 DS DW DO	 DS	 DS DW DO
INOX 60	 DS DW	 DS DW DO	 DS DW DO	 DS	 DS DW DO
EBEN 80	 DS DW	 DS DW DO	 DS DW DO	 DS	 DS DW DO
WENGE 90	 DS DW	 DS DW DO	 DS DW DO	 DS	 DS DW DO

Color Index

Decking code example
DO-2070
OVERLAP VINTAGE PALISANDER



Εφαρμογές
Applications



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