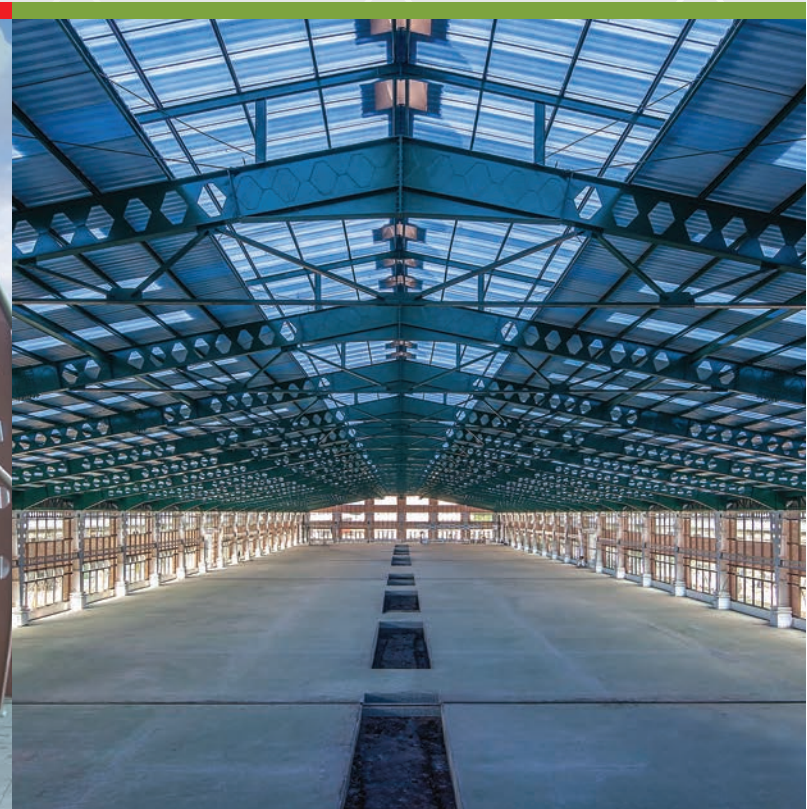


COMPANY PROFILE

PT. Alderon Pratama Indonesia



WHO WE ARE

Created in 2015, PT. Alderon Pratama Indonesia (API) specializes itself in addressing project based market from commercial, residential, industrial, to government projects. API offers wide range of building materials, polycarbonate roofs, uPVC roofs, sealant & aluminum composite panels.

API has successfully delivered prestigious projects in many different sectors across Indonesia, and quickly became a leader in this market. It works closely with its clients to provide solutions that best fit their needs.

Its policies to delivering high quality and innovative solutions outlines its commitment to becoming a preferred supplier. From time to time, it measures and monitors its client satisfaction with a view to continuous improvement.

PT. Alderon Pratama Indonesia is a subsidiary of Impack Pratama Industri Tbk, a listed company in Jakarta Stock Exchange, and the manufacturer of premium roofing products such as Twinlite, Solartuff & Alsynite.





VISION & MISSION

To become a market leader in project based market supplying building material, specially facade and roofing.



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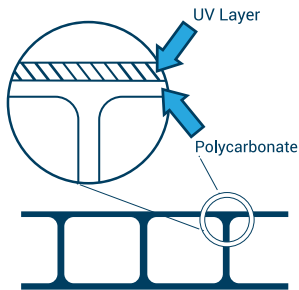


10 Special Features of Twinlite[®] Polycarbonate

1. Durable
2. Superior clarity
3. Design flexibility
4. 250 times stronger than glass
5. 20 times stronger than acrylic
6. Natural lighting, electricity & energy saving
7. Very light, very strong & virtually unbreakable
8. Absorbs almost 100% of sunlight UV radiation
9. Reduce heat without sacrificing light transmission
10. Withstand temperature changes from -20°C to 120°C

Co-Extruded UV Layer

Besides protecting the people underneath from the harmful UV rays, the co-extruded UV layer on Twinlite’s surface enhances its durability outdoor, preventing it from getting yellowing, discolored and brittle for a long period of time.











Standard Sizes

Thickness	Width	Length	Grammage
5 mm	2,1 m	customized	1.100 g/m ²
6 mm	2,1 m	customized	1.300 g/m ²
10 mm	2,1 m	customized	1.700 g/m ²
16 mm*	2,1 m	customized	2.700 g/m ²

*Available in triplewall, X structure

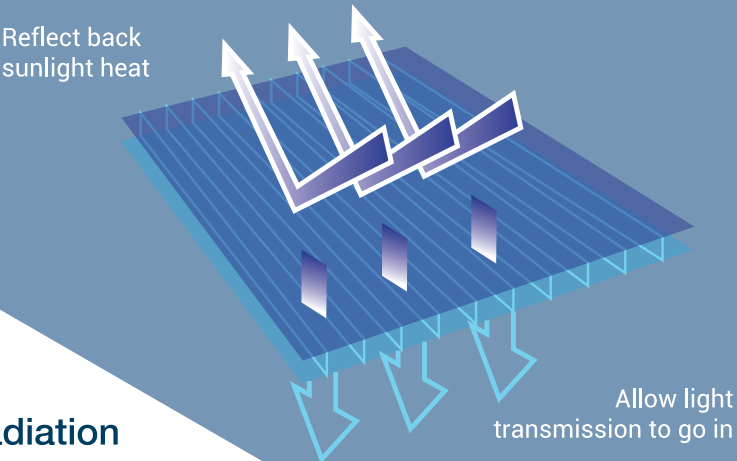
Light & Heat Transmission

Color	Light Transmission	Heat Transmission
 Cool Grey	10%	22,96%
 Cool Bronze	19%	28,51%
 Silver Millenium	20%	7,25%
 Cool Blue	26%	37,16%
 Cool Green	33%	35,56%
 Opal	33%	0,30%
 Tosca	47%	44,39%
 Clear	87%	60,31%

*Above data applies for Twinlite[®] 6mm only

How Twinlite[®] Works

Twinlite[®] reflects sunlight heat while at the same time still letting the light in; allowing people underneath to feel comfortable & to enjoy sufficient light.



A PERFECT COMBINATION OF TECHNOLOGY, QUALITY & BEAUTY

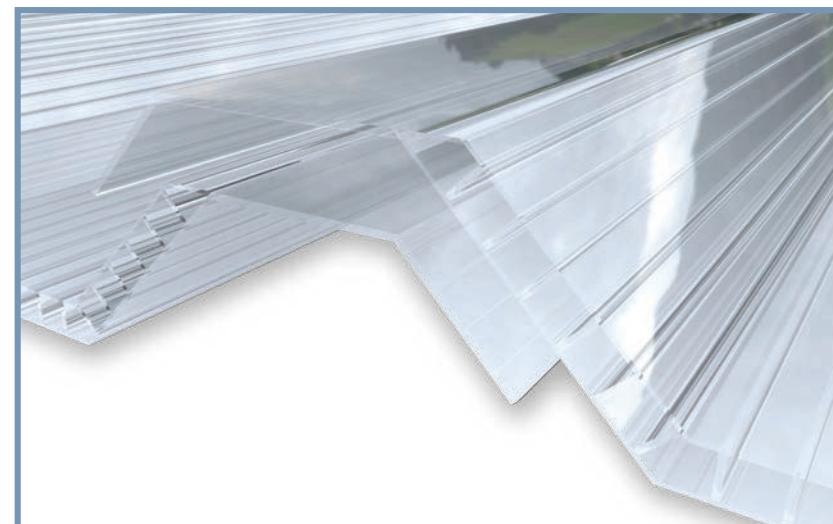
Twinlite[®] polycarbonate sheet offers superior clarity, durability, unmatched design flexibility & structural integrity that surpass other glazing material. Twinlite[®] is the right choice for almost any demanding glazing application.



8 Special Features of Twinlite Greca

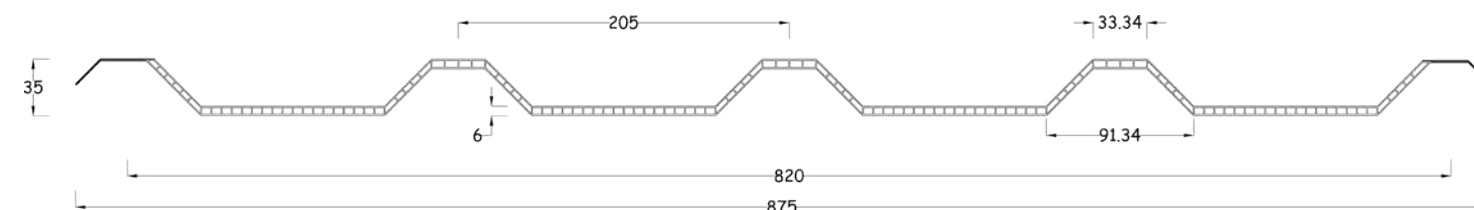
1. Lightweight
2. Heat insulation
3. Sound insulation
4. Superior rigidity
5. Low maintenance cost
6. Environmental friendly
7. Excellent impact resistance
8. Fire performance :
self extinguishing

EZ-Fix System



The EZ-Fix System at each Twinlite Greca width sides allows for easy and faster installation.

Product Specification



Thickness (mm)	Width (mm)	Effective Width (mm)	Height (mm)	Pitch (mm)	Length* (mm)	Colors
6	875	820	35	205	6.000	Clear, Cool Grey, Opal

*Length can be customized according to your need, subject to minimum order quantity.

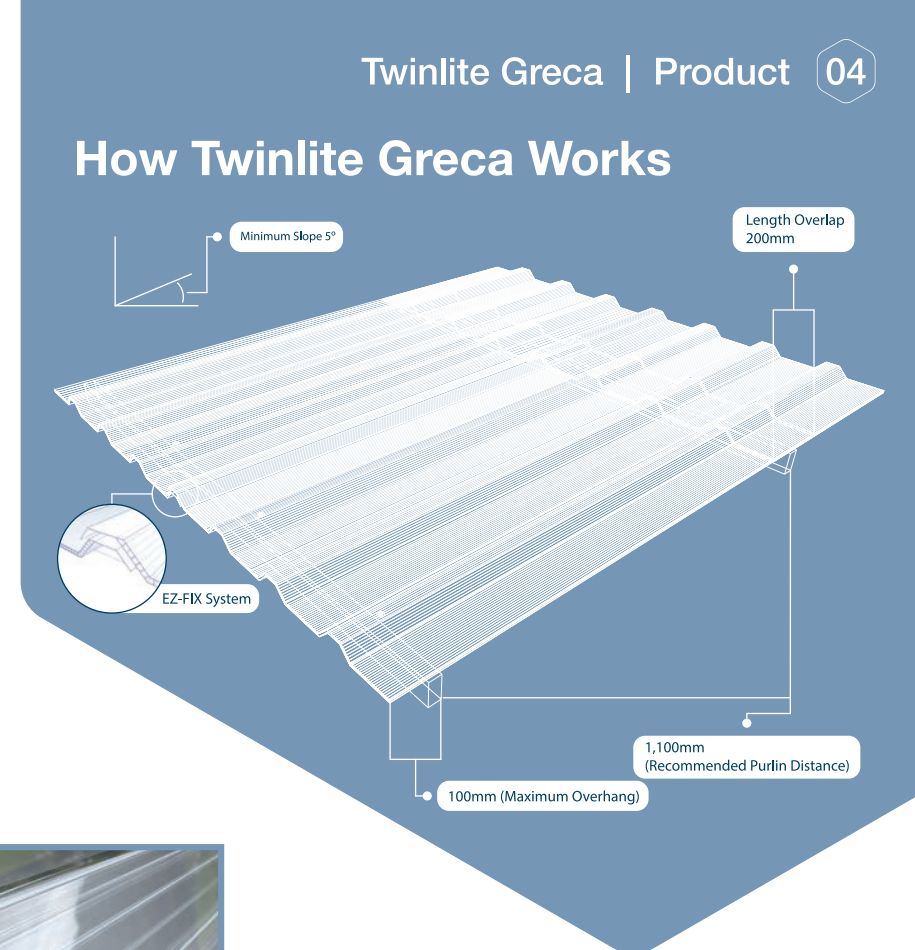
UV Protection

Twinlite Greca is equipped with the UV layer on its surface, will block 98% of harmful UV radiation, hence protecting your loved ones underneath Twinlite Greca from the UV emission adverse effect. This co-extruded UV layer on Twinlite Greca's surface also enhances its durability outdoor, preventing the sheet from getting yellowing, discolored and brittle for a long period of time.



MODERN, STYLISH & YET UNYIELDINGLY STRONG

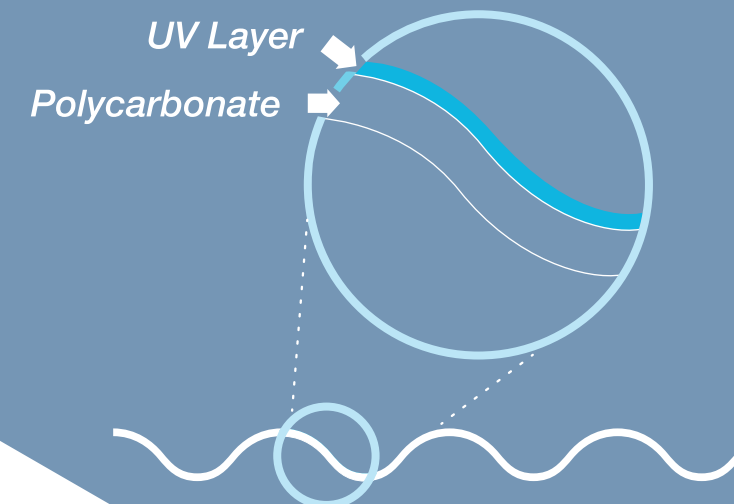
Twinlite Greca is another finest blend of science, engineering expertise, and the use of the most advanced extrusion equipment from Impack Pratama Industri.



8 Advantages of Solartuff®

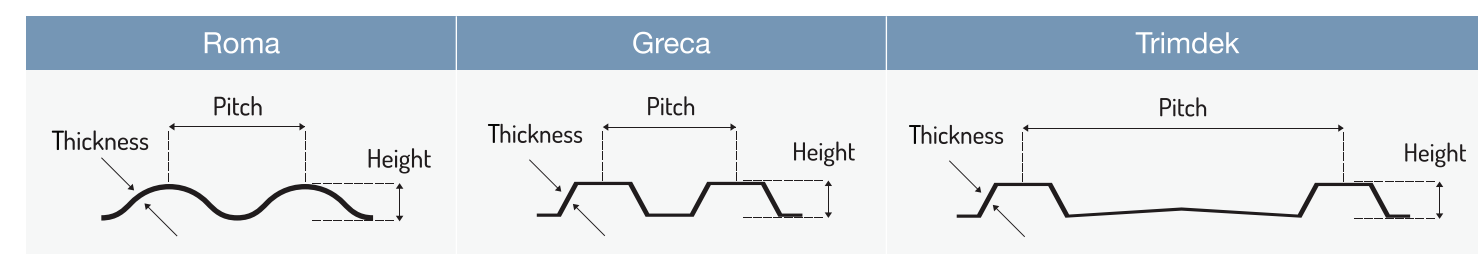
1. Fire retardant
2. Environment friendly
3. As transparant as glass
4. Easy to install & fabricate
5. Natural lighting, electricity & energy saving
6. Reduce heat without sacrificing light transmission
7. Withstand temperature changes from -20°C to 120°C
8. 250 times stronger than glass & 20 times stronger than acrylic

Solartuff® UV Protection Layer



Standard Sizes

Type	Thickness / (mm)	Width / (mm)	Effective Width / (mm)	Height / (mm)	Pitch / (mm)	Length / (mm)
ROMA	0,8	860	760	18	76	1800, 2400, 3000, 3600, 4200, 6000
GRECA	0,8	820	760	18	76	*customized length for export
TRIMDEK	0,8	830	762	29	190.5	6.000



Light & Heat Transmission

COLOR	LIGHT TRANSMISSION	HEAT TRANSMISSION
Silver Millenium	13%	2,55%
Grey	14%	33,87%
Blue	24%	52,93%
Bronze	36%	31,72%
Opal	46%	2,74%
Green	47%	48,76%
Clear	89%	67,65%

SolarTuff®

Premium Corrugated Polycarbonate Roofing

**15 YEARS
WARRANTY**

Quality System
Quality Endorsed Company
ISO 9001 : 2000
Lic no : QEC 22207
SAI GLOBAL

NOTHING BEATS SOLARTUFF IN CLARITY & DURABILITY

Solartuff® is the premium corrugated polycarbonate sheet with superior transparency and toughness, absolutely the perfect roofing and glazing solution to your architectural needs.





WHERE CLARITY IS SECOND TO NONE & VIRTUALLY UNBREAKABLE

Solartuff Solid is a solid flat polycarbonate sheet with the highest clarity & impact strength, produced using the finest resin grades & the most advance European technology executed with over 30 years of industry experience.



10 Advantages of Solartuff Solid

1. Accoustic insulation
2. Flat & smooth surface
3. Highest clarity, just like glass
4. UV protected & weather resistant
5. Leak-proof, under correct installation
6. Flexible & easy to handle & install
7. High impact resistance & virtually unbreakable
8. Less structural support needed due to the lightweight feature
9. 250 times stronger than glass & 20 times stronger than acrylic

Product Specification

Thickness	Width	Length	Pattern	Color
1,2 mm	1.100 mm	50.000 mm	Plain	Clear, Bronze, Grey
3 mm	1.220 mm	20.000 mm	Plain & Embossed	Clear, Bronze, Grey

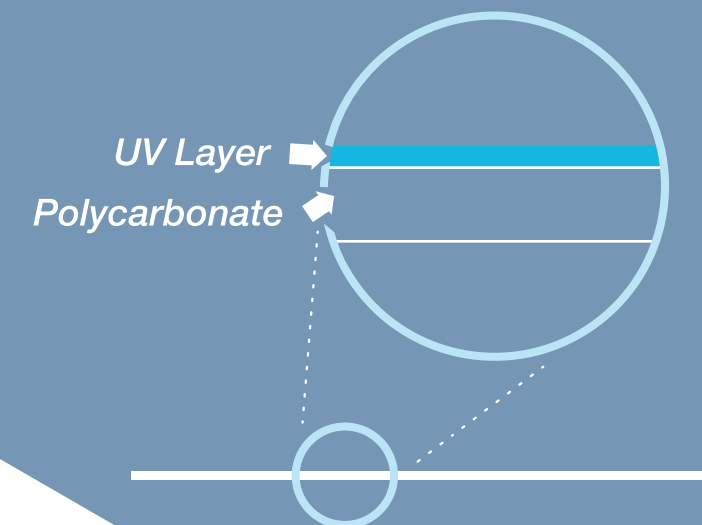
For 0.6mm - 6mm thickness & customized sizes, please contact us

General Properties

Property	Value	Unit	Property
Specific Gravity	1.2	g/cm ³	ASTM-D792
Heat Distortion Temperature	135	°C	ASTM-D648
Water Absorption (24 hours)	0,10	%	ASTM-D570
Operating Temperature	-20 to 120	°C	-
Tensile Stress at Break	65	Mpa	ASTM-D638
Tensile Modulus Elasticity	2.300	Mpa	ASTM-D638
Tensile Elongation at Break	120	%	ASTM-D638
Flexural Strength Yield	100	Mpa	ASTM-D790
Flexural Modulus	2.500	Mpa	ASTM-D790
IZOD Impact Strength	650-850	J/m	ASTM-D256
Compressive Strength	12.500	PSI	ASTM-D695
Light Transmission	89	%	ASTM-D1003
Refractive Index	1,586	-	ASTM-D542

These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact us

Solartuff Solid UV Protection Layer



SOLAR DRYER DOME



SOLAR-POWERED DRYING SYSTEM

Improve your productivity & turnover with solar dryer solution

8 Advantages of Solar Dryer Dome for Commodity Grower

1. You can control the temperature inside the dome
2. Create additional value : dried products → higher margin
3. Reduce losses caused by the spoilage/wastage up to 50%
4. Better product quality : color, skin & original taste retention
5. Weather “resistance” : wind & rain are no longer the obstacles
6. Better hygienic standard : less dust, less pollution, no fungus, no animal
7. Can maintain 80-95% of highly important nutrition values of food in drying process
8. Lessen drying time : time saving, eg : banana : traditional drying 6-7 days, solar drying 2-3 days

Problems in Traditional Drying System

- 40% of spoilage occurs at drying processing stage
- Color of the dried products declines significantly
- Weather : rain, winds
- Animal : damage, hygienic issues

Some examples of materials that can be dried



Available Solar Dryer Dome Sizes & Related Capacity

Type	Small	Medium	Large	Jumbo
Dimension	8m x 6.2m	8m x 12m	8m x 20m	8m x 27m
Capacity	200-300kg	400-600kg	1000kg	1500kg

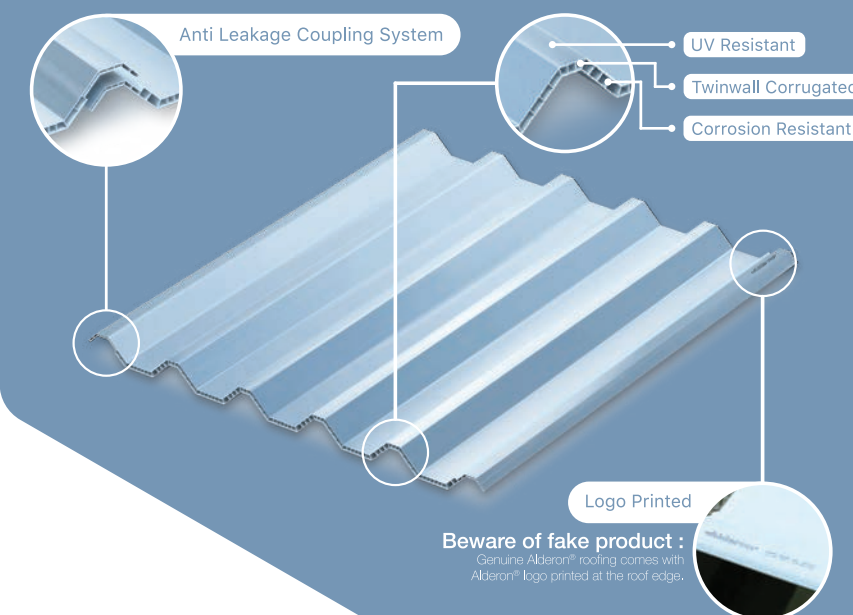
Comparison Drying Time using Traditional Way, Oven & Solar Drying

Comodity	Water Level Before Drying (%)	Water Level After Drying (%)	Drying Time		
			Traditional	Oven (60-80°C)	Solar Dryer
Cacao	40-50	7-8	7-10 days	2 days	4 days
Coffee Bean	40-50	11-12	7-10 days	2 days	4 days
Chilli	75-80	5-8	7-10 days	1 day	3-4 days
Tomato	70-85	10-11	10-15 days	1 day	3-4 days
Banana	70-80	7-15	7-10 days	2 days	3-4 days
Cassava	62-75	14-17	7-10 days	3 days	3 days
Mango	80-85	10-11	7-10 days	4 days	3 days
Seaweed	90	30-35	7 days	-	3 days
Ginger	85-90	10-12	3 days	6 hours	3 days

7 Advantages of Alderon®

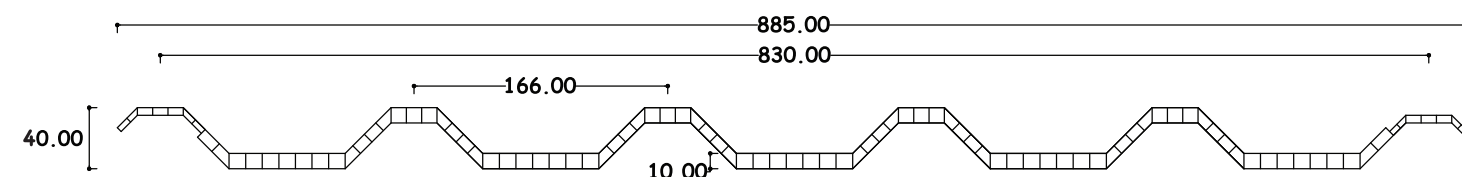
1. Fade resistant
2. Sound insulation
3. Environmental friendly
4. Low maintenance cost
5. Superior impact resistance
6. Excellent chemical resistance
7. Fire performance :
Self-extinguishing

Anatomy of Alderon

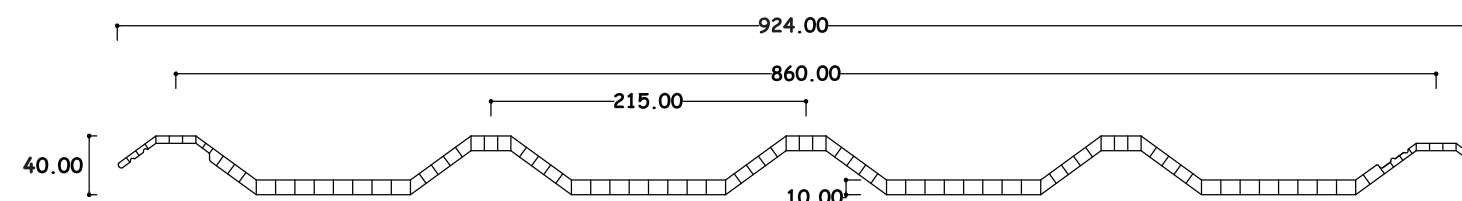


Product Specification

ALDERON 830



ALDERON ID 860 (available for project only)



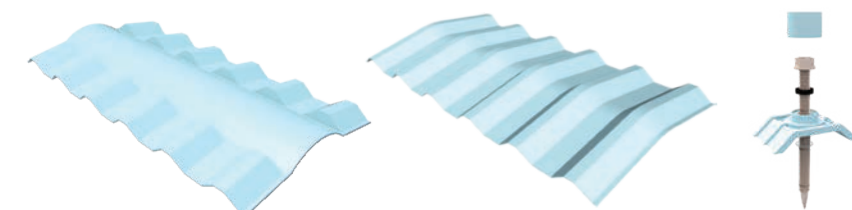
Type	Thickness (mm)	Width (mm)	Effective Width (mm)	Height (mm)	Pitch (mm)	Weight* (kg/Lm)	Length** (mm)	Color
ALDERON 830	10	885	830	40	166	4,8	11.900	Blue & White, available in
ALDERON ID 860	10	924	860	40	215	4,6	11.900	Matt & Translucent Colors

* Weight tolerance +/- 5%

** Length can be customized according to your need, subject to minimum order quantity.

Accessories

To avoid leakage, we recommend you to use Alderon Weatherseal. Also available ridge cap and other accessories. For more Alderon range, please visit www.alderon.co.id



PREMIUM VINYL COMPOSITE TWINWALL CORRUGATED ROOFING

Alderon® is fortified by UV resistant feature to protect the sheet from the sun's ultra violet radiation and severe weather condition, ensuring not only its durability but also the beauty of Alderon® throughout the years



7 Special Features of Alderon RS

1. Strong
2. Light Weight
3. Durable
4. Corrosion Free
5. Self Extinguishing
6. Easy to Fabricate
7. Chemical Resistance




Alderon RS is a single-ply uPVC roof, designed to meet a longer term solution for roofs that demand high performance at a lower life cycle cost.

Alderon RS is very light weight and practically opaque, protecting you and your love ones forms the harmful UV rays.

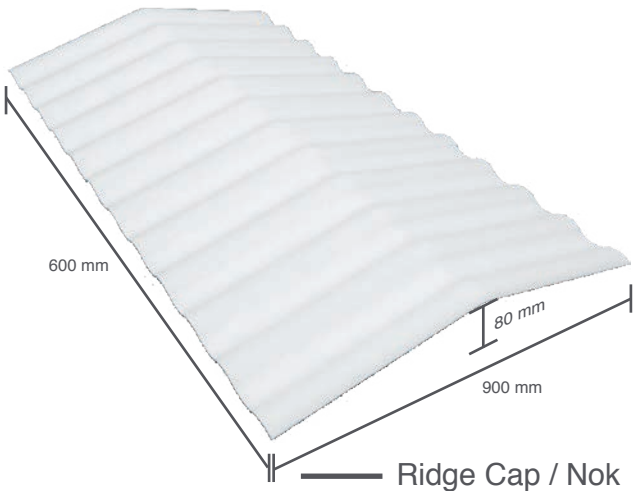
Application

- House Roof
 - Patio, Canopy, Awning
 - Greenhouse
 - Car porch
 - Car wash
 - Animal farm
 - Garage
 - Fence
 - Chemical Factory

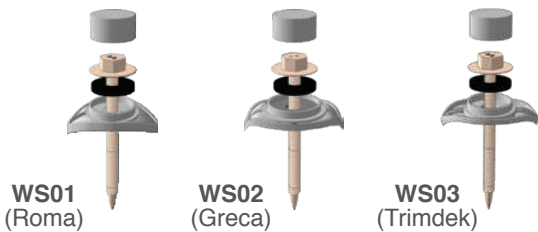
Specification

Profile / Profil	Thickness / Tebal	Width / Lebar	Effective Width / Lebar Efektif	Height / Tinggi	Pitch / Jarak antar Puncak	Weight / Berat	Length / Panjang	Color / Warna
 Roma	1.2mm	860mm	764mm	17mm	76mm	2.10 kg/Lm	1.8, 2.1, 2.4, 3, 4, 5, 6 M	White, Grey, Lite Grey, Soft Blue
	1.45**mm	860mm	764mm	17mm	76mm	2.53 kg/Lm	4, 5, 6, 7, 8 M	
 Greca	1.2mm	760mm	688mm	17mm	76mm	2 kg/Lm	1.8, 2.1, 2.4, 3, 4, 5, 6 M	White, Grey, Lite Grey, Soft Blue
	1.45**mm	760mm	688mm	17mm	76mm	2.4 kg/Lm	4, 5, 6, 7, 8 M	
 Trimdek	1.2mm	830mm	765mm	29mm	190.5mm	2.1 kg/Lm	1.8, 2.1, 2.4, 3, 4, 5, 6 M	Opaque White, Lite Grey, Soft Blue
	1.45**mm	830mm	765mm	29mm	190.5mm	2.6 kg/Lm	4, 5, 6, 7, 8 M	

Accessories



Weather Seal



Color / Warna	White, Grey, Lite Grey, Soft Blue
Thickness / Tebal	2.1 - 2.5 mm
Weight per Sheet Berat per Lembar	2.2 - 2.6 kg

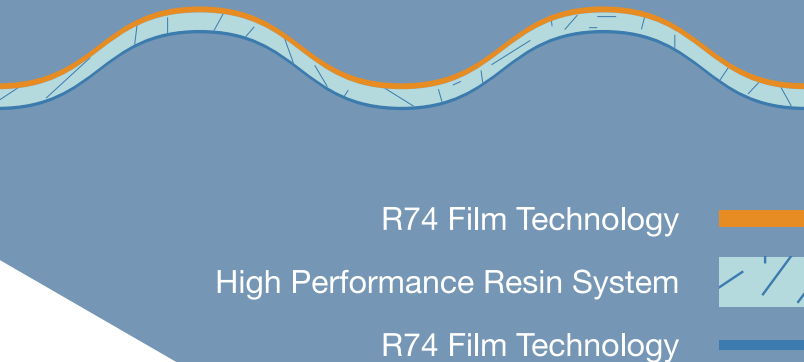


STRONG, LIGHT WEIGHT, DURABLE

Also available ridge cap and other accessories.
For more Alderon range, please visit www.alderon.co.id

R74 Protective Films

Alsynite selects only R74 protective films & coatings in the manufacture of it's range of superior quality roofing products.



5 Advantages of Alsynite Everlite R74

1. 15 years warranty
*conditions apply
2. Superior long term clarity properties
3. Non delaminating surface technology
4. Outstanding surface erosion resistance
5. Excellent long term weathering characteristics

Alsynite Surface Coating

Both the exposed and the underside surfaces of Alsynite Everlite R74 are protected by a surface coating system known as R74 films. This proven system is backed by a 15 year performance warranty. Available in a wide range of profiles, Everlite R74 is the sensible choice for cost effective skylight & siding applications.

Product Specification

- Colours

: Everlite R74 is available in standard colours of Clear, Opal & Ice Clear.

Customised colours are available, subject to minimum order quantities & pigment availability
- Nominal Weights

: The standard series weight is 2400g/m². However, other weights are available to special order. Typical series weights are: 1800, 3050, 3660 & 4880g/m²
- Sheet Lengths

: Upon consultation, sheeting can be manufactured up to 23.5m in length
- Resin System

: The resin system is a general purpose grade orthophthalic polyester.

Fire retardant resin systems 50FR & 25HTH are available

Color & Solar Optical Properties

Properties	Clear	Opal
Thermal Conductivity (%)	72	62
UV Resistance (%)	99,9	100
Diffused Light Transmission (%)	74	58
Solar Heat Gain (w/m ²)	560	486
Transmittance 380 - 320nm (UV-A)	0,04	-
Transmittance 320 - 280nm (UV-B)	0,006	-

*The above data is based on a 2400gsm, 1.5mm sheet. Customized colors are available, subject to minimum order quantities & pigment availability. The combination of color & weight will affect the amount of light transmitted through the sheet



EVERLITE R74

Alsynite Everlite R74 is a high quality general purpose FRP that has been the cornerstone of Alsynite’s fibreglass business for many years.

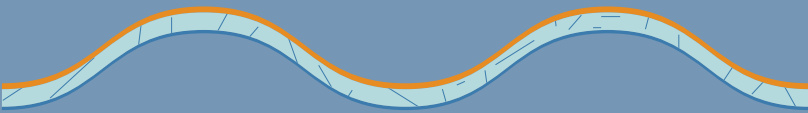


7 Advantages of Alsynite Ultra

1. Superior long term clarity properties
2. Resistant to commonplace chemicals
3. Non delaminating surface technology
4. Outstanding surface erosion resistance
5. Non-aged & cracked surface technology
6. Superior 25 years warranty *conditions apply
7. Excellent long term weathering characteristics

A15 Protective Films

Alsynite selects only A15 protective films & coatings in the manufacture of it's range of superior quality roofing products.



- A15 High Performance Film Technology
- Modified High Performance Resin System with Glass Reinforcement
- A15 Underside Film

Alsynite Surface Coating

The exposed surface of Alsynite Ultra features a new improved ultra violet surface protection film known as A15 films. Together with a unique polyester resin formulation, our advanced system is proudly backed by a 25 years performance warranty. Available in a wide range of profiles, weights & colours, Alsynite Ultra is the premium choice for roofing & cladding applications.

Product Specification

- Colours**
: Alsynite Ultra is available in standard colours of Clear, Opal & Ice Clear.
Customised colours are available, subject to minimum order quantities & pigment availability
- Nominal Weights**
: The standard series weight is 2400g/m². However, other weights are available to special order. Typical series weights are: 1800, 3050, 3660 & 4880g/m²
- Sheet Lengths**
: Upon consultation, sheeting can be manufactured up to 12.2m in length
- Resin System**
: The resin system is an advanced general purpose garde orthophtahlic polyester

Color & Solar Optical Properties

Properties	Clear	Opal
Thermal Conductivity (%)	72	62
UV Resistance (%)	99,9	100
Diffused Light Transmission (%)	74	55
Solar Heat Gain (w/m ²)	560	486
Transmittance 380 - 320nm (UV-A)	0,04	-
Transmittance 320 - 280nm (UV-B)	0,006	-

*The above data is based on a 2400gsm, 1.5mm sheet. Customized colors are available, subject to minimum order quantities & pigment availability. The combination of color & weight will affect the amount of light transmitted through the sheet



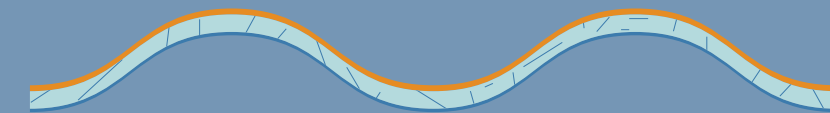
EVERLITE ULTRA

Alsynite Ultra is a premium quality Fibre Reinforced Polyester (FRP) sheet with excellent long term weathering properties.



A15 Protective Films

Alsynite selects only A15 protective films & coatings in the manufacture of it's range of superior quality roofing products.



A15 High Performance Film Technology

Modified High Performance Resin System with Glass Reinforcement

Ultra White Underside Film

9 Advantages of Alsynite Ultra Cool

1. Resistant to commonplace chemicals
2. Non delaminating surface technology
3. Outstanding surface erosion resistance
4. Superior long term reduction of solar heat
5. Superior long term diffused light properties
6. Resistant to degradation & embrittlement
7. Provides substantial savings in energy costs
8. Superior 25 years warranty *conditions apply
9. Excellent long term weathering characteristics

Product Specification

- Colours** : Only available in Opaque White finish
- Nominal Weights** : The standard series weight is 2400g/m². However, other weights are available to special order. Typical series weights are: 1800, 3050, 3660 & 4880g/m²
- Sheet Lengths** : Standard sheet lengths are available up to 12,2m. Other non-standard lengths are available subject to special order
- Resin System** : Surface coating A15 improved UV protection film, 20 micron nominal thickness

Solar Optical Properties

Properties	Opaque White
Light Transmission (%)	36
UV Resistance (%)	100
Diffused Light Transmission (%)	36
Luminous Transmittance	0,18
Solar Transmission	0,22
Solar Heat Gain (w/m ²)	227
Solar Heat Gain Coefficient	0,29
Shading Coefficient	0,33
U Value (w/m ² K)	5,7
Transmittance 380 - 320nm (UV-A)	-
Transmittance 320 - 280nm (UV-B)	-

*Results of the tests are based on a 2400 gsm sheet



ULTRA COOL

Alsynite Ultra Cool is a premium quality Fibre Reinforced Polyester (FRP) sheet with all the qualities of Alsynite Ultra but with the added advantages of controlled solar heat transmission. It is identified by its ultra white finish.





5 Advantages of Alsynite CR

1. Low light pass to opaque sheet
2. Outstanding long term reflection of solar heat
3. Outstanding surface erosion resistance
4. Good chemical resistance and mechanical properties
5. Excellent long term weathering characteristic

Product Specification

Description	: ALSYNITE CORROSIVE RESISTANCE		
	Glass Reinforced Plastic Sheetting		
Surface Coating	: TOP	20μ Film	
	UNDER	20μ Film	
Profile	: Customizable		
Weight	: 3.660 g/m²		
Thickness	: 2mm		
Colour	: White, Grey or other		
Installation	: To be carried out in accordance with PT. Alsynite Roofing Product Indonesia installation & maintenance procedures		

Mechanical Properties

Properties	Typical Value	Test Method
Barcol Hardness	40	ASTM-D2583
Glass Content (%)	26	AS-NZS 4256.3
Tensile Strength (MPa)	90	ASTM-D638
Flexural Strength (MPa)	150	ASTM-D790
Flexural Modulus (GPa)	6	ASTM-D790
Mean Impact Strength (J)	9	ASTM-D256
Compressive Strength (MPa)	135	ASTM-D695
Shear Strength (MPa)	60	ASTM-D732
Impact Resistance	Pass	AS/NZS 4256.3

*Above data applies for Twinlite® 6mm only

High Quality Film

Alsynite selects only high quality 20μ protective films in the manufacture of its range of superior quality roofing products.



There is no substitute for quality. Please compare apple to apple when selecting roofing products.



CORROSIVE RESISTANCE

Alsynite Corrosive Resistance is a premium quality Glass Reinforced Plastic (GRP) sheet with excellent long term weathering properties. The exposed surface features a new improved Ultra Violet (UV) surface protection film.



8 Advantages of Alcotuff

1. Fire retardant
2. Fade retardant
3. Easy cleaning
4. Superior flatness
5. Excellent rigidity & impact strength
6. Easy workability & ultimate design flexibility
7. Easy to cut, bent, grooved/curved & can be installed quickly
8. Compared with thick solid aluminium sheets, each of Alcotuff aluminium skin is only 0,5mm thick, laminated through our co-extrusion process hence eliminating flatness distortion

Technical Properties

● Peel/Delamination Strength	100N.mm/mm
● Section Modulus W	1.7 cm3/m
● Alloy	3003 & 5005
● Temper of Cover Sheets	H16
● Tensile Strength of Aluminium	130 N/mm2
● Elongation	5%
● Linear Thermal Expansion	2.4 mm/m at 100oC
● Pencil Hardness	HB-E

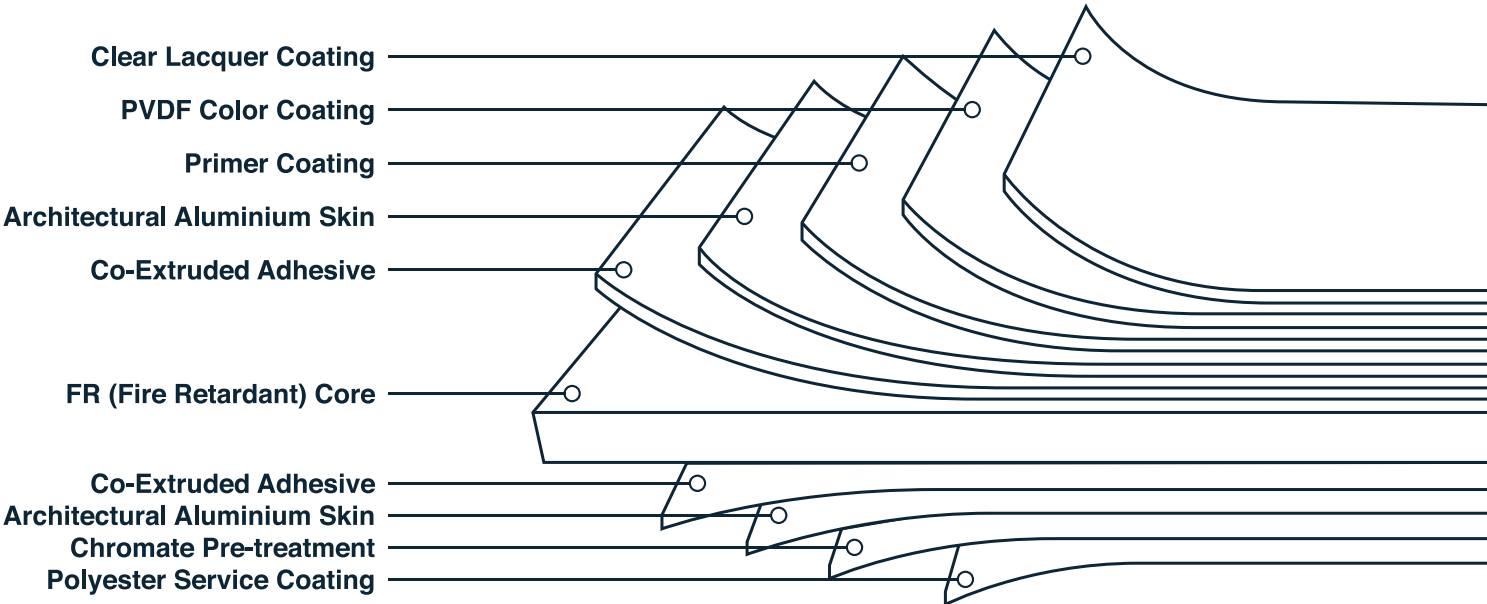


Product Specification

Panel Thickness (mm)	Aluminium Thickness (mm)	Alloy Series	Coating	Dimension (mm)	Warranty	
					Color	Physical Defect
4	0,5	5005	3-layer 35µm PVDF	1220 x 4880	20	10
4	0,3	3003	2-layer 25µm PVDF	1220 x 4880	10	10

*custom sizes are available upon request

Anatomy of Alcotuff



A PREMIUM ALUMINIUM COMPOSITE PANEL FOR PREMIUM BUILDINGS

Alcotuff is a heavy duty Aluminium Composite Panel with excellent properties, combining fire safety with great aesthetics.



Signbond

ALUMINUM COMPOSITE PANEL

9 Advantages of Signbond

1. Sturdiness
2. Reusability
3. Lightweight
4. Superior flatness
5. Impact resistance
6. Weather durability
7. Ease of fabrication
8. Excellent workability
9. Architectural flexibility

Product Specification

Materials

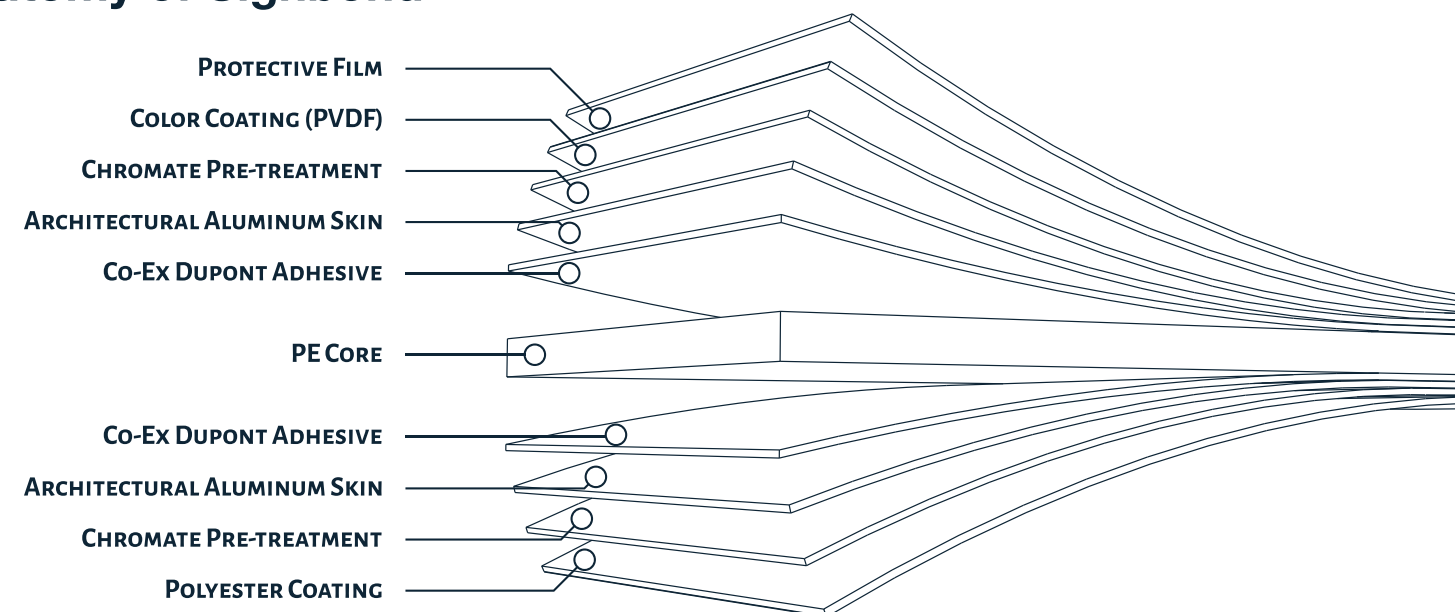
Front side	3003 alloy series, 0,3mm PVDF coated
Core	PE-Polyethylene
Back side	3003 alloy series, 0,3mm Polyester coated

Dimensions

Thickness (mm)	Skin Thickness (mm)	Coating	Size (mm)	Weight kg/m ²
4	0,3	Top : PVDF Bottom : PE	1.220 x 4.880	5,6
3	0,21	Top : Mill Finish/Brush Silver Bottom : PE	1.000 x 2.000 1.220 x 1.800 1.220 x 2.440 1.500 x 2.250 1.500 x 4.500	3,5

*Customized thicknesses & lengths are available upon request & subject to minimum order quantity

Anatomy of Signbond



Signbond Applications



- Road Signs
- Bus Shelters
- Crossing Bridges
- Exhibition Booths
- Interior Decorative Panels
- Point of Sales
- Digital & Flat-bed Printing

LIGHTWEIGHT, DURABLE & SUPERIOR FLATNESS

Signbond is a composite panel composed of a plastic core sandwiched by two aluminum sheets & is known for its lightweight qualities, with other desirable attributes such as the same flatness & rigidity as solid aluminum panels, with less cost to it.



8 Advantages of OCI® S100

1. High Quality Cement
2. Low Viscosity
3. Fast Curing
4. Fast Setting
5. 15% More Economic
6. Superior Strength
7. Waterproof
8. Widely used for joining PVC, CPC, and uPVC pipes and fittings.

Physical Data

Property	Property
Appearance	Clear Liquid
Solid Content	12 - 16 %
Viscosity at 30 °C	150 - 200 cps
Main Solvent	Hydrocarbon Solvent
Main Ingredient	Synthetic Resin

Typical property data values should not used as specifications/

Product Specification

Product	Color	Packaging	Shelf Life
OCI® S100	Clear	100 gr/can 500 gr/can	9 months from the date of manufacture

General Properties

Property	Property
Form	Viscous Liquid
Color	Colorless
Viscosity	150 - 200 cps
Solid Content	12 - 16%
Odour	Aromatic Odour
Melting Temperature	Not Applicable
Boiling Temperature	(hPa) 79 - 82 °C
Flash Point	- 4 °C
Freezing Point	- 86.4 °C
Ignition Temperature	Not Determined
Vapour Pressure (25 °C)	Not Determined
Density (25 °C)	0.94 ± 0.001 g /cm³
Solubility in Water (25 °C)	Insoluble

Application

- Residential Plumbing
- Industrial Plumbing
- Potable Water Pressure Systems
- Sewer
- SWR
- DWV



THE BOND THAT IS BUILT TO LAST

OCI® S100 PVC Solvent Cement is a clear colored low viscosity adhesive that is fast setting and perfect for applications on PVC pipes. It is safe for drinking water after complete curing.



THE BOND
THAT BUILT TO LAST

OCI® Sealant N192 is a high-performance medium-modulus sealant for internal and external applications.

Easy to use, non-solvent, neutral cure, non-bubbling and minimum shrinkage, OCI® Sealant N192 can adhere to almost all materials without the need for primer or any extra treatment.

OCI® Sealant N192 is odourless and non-corrosive, it is excellent for many common building materials such as metals (aluminium, steel), plastics (polycarbonate, acrylic), glass, ceramic and most painted surfaces.

Excellent Adhesion

Good Flexibility

Weatherproof

Waterproof

Physical Data :

Unvulcanized		
Density at 23 °C (ASTM D792)	:	1.05 g/cm ³
Consistency	:	Non-sag
Shrinkage	:	<5%
Skin Forming Time (at 23 °C / 50% RH)	:	7-9 mins
Vulcanized Rubber		
Tensile Strength (ASTM D412)	:	1.0 MPa
Hardness Shore A (ASTM C920)	:	18
Elongation at Break (ASTM D412)	:	620%
Application Temperature Range	:	-37°C to 60°C
Temperature Resistance	:	-50°C to 150°C
Typical property data values should not be used as specifications.		

Characteristics :

- OCI® N-192 is a one part room temperature vulcanizing silicone sealant.
- OCI® N-192 will cure at room temperature into a resilient elastomer without generating aceic acid. It is therefore, most suitable for alkali materials such as mortar, white cement atc.
- OCI® N-192 has good primerless adhesion to most materials and it is also non-corrosive to metals.

Application :

OCI® N-192 is suitable for use in :

- Weather sealing
- Industrial application
- All metals and masonry building materials such as, guttering roofing, metal tank constructions
- DIY application

- ACP (Aluminium Composite Panel) facade
- Automotive
- Electrical and Industrial use
- Shipbuilding sealing
- Bonding and repairing

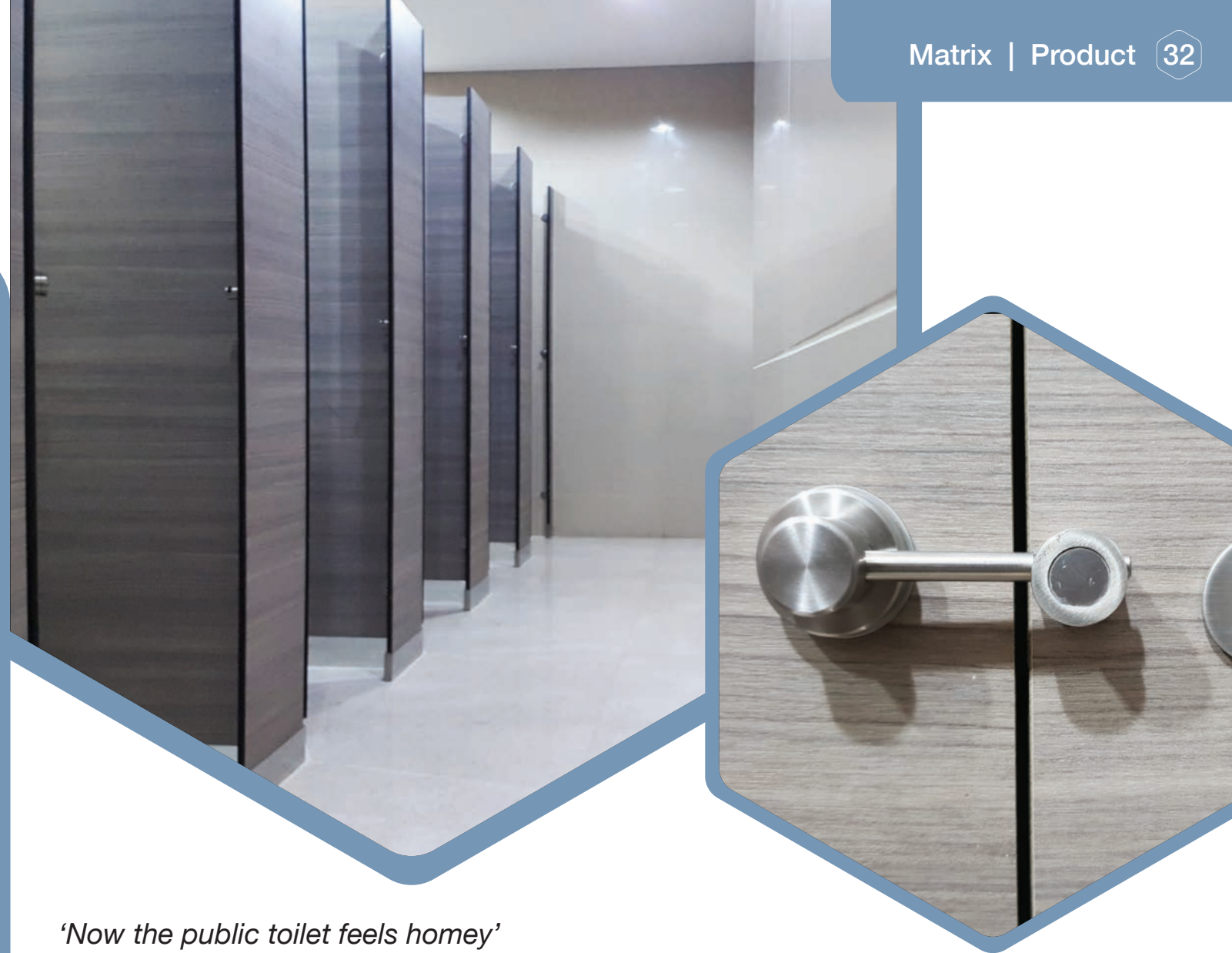
OCI® N-192 exhibits an excellent adhesion to :

- Glass
- Cearmics
- Alumunium
- Steel
- Zinc

- Cooper
- Brass
- Painted surfaces
- Plastics
- Non-oily woods

Product Specification

OCI Series	Type	Color	Packaging	Shelf Life
N192	100% Neutral	Clear, White, Grey, Black	300ml/cartridge 600ml/sausage	12 months from manufacturing date



'Now the public toilet feels homey'

With the right material selection, good quality of accessories and proper system, SPOT brings the toilet partition in public spaces into a maximum comfort, privacy and safety. Our team always works on improvement, innovation and professional service.

'Sekarang, toilet umum semakin nyaman'

Dengan pilihan bahan dasar yang baik, aksesoris yang berkualitas dan sistem yang tepat, SPOT memberikan kenyamanan, privasi dan keamanan maksimal melalui pastisi toilet di tempat umum. Tim kami selalu bekerja untuk meningkatkan, berinovasi, dan menyediakan pelayanan profesional.



Toilet Cubicle Systems



'Simplifying your flooring choices for healthcare building'

Manufactured by Tarkett of Sweden, which has more than 130 years of experience in commercial flooring and offers the largest multi-material range of solutions. Through the years, Tarkett has developed innovative and high-quality flooring products to target the specific design and functional requirements of every type, along with advice on installation and maintenance to ensure an optimal performance.

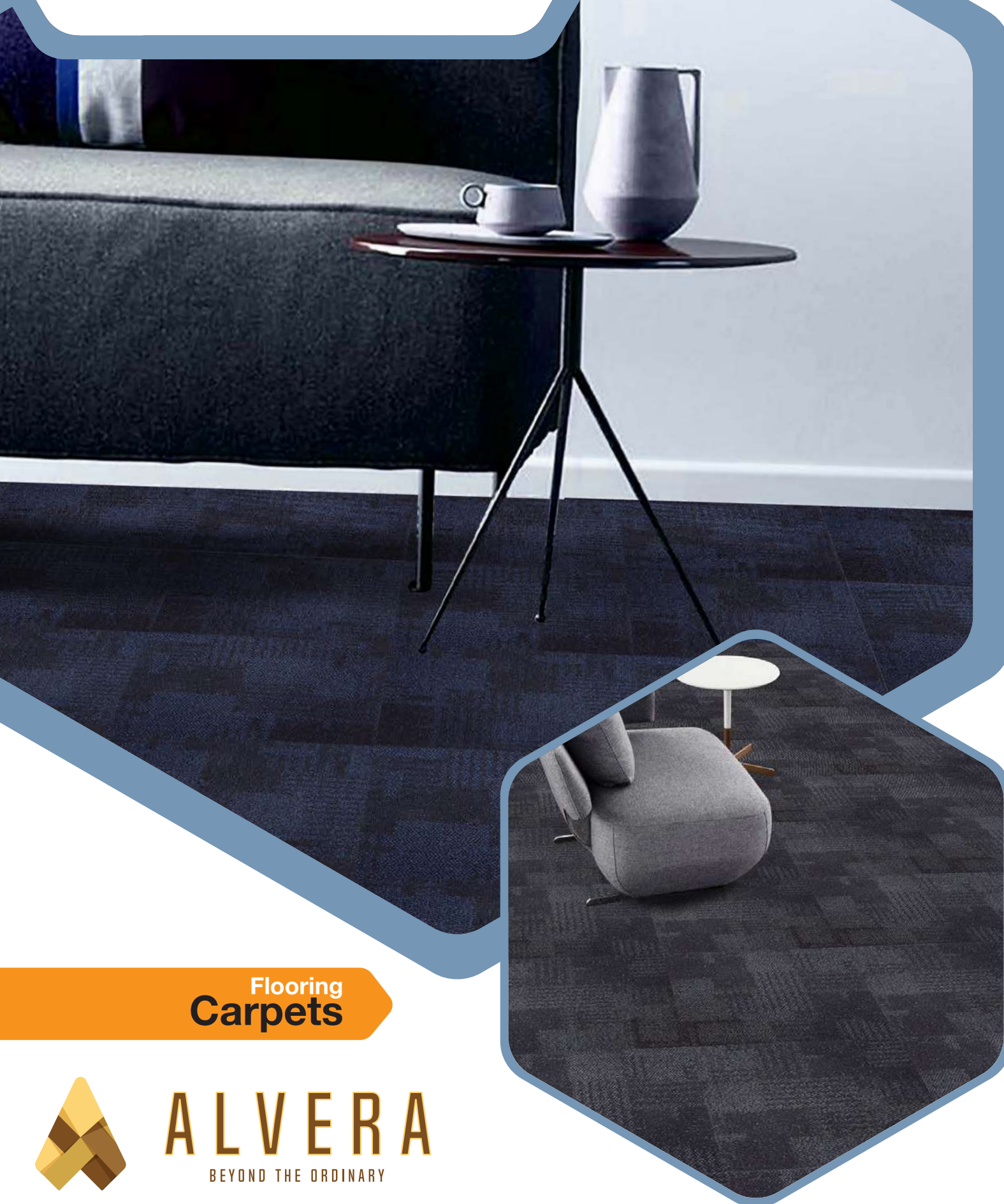
'Menyederhanakan pilihan lantai untuk bangunan fasilitas kesehatan'

Diproduksi oleh Tarkett dari Swedia, yang memiliki pengalaman selama 130 tahun dalam bidang lantai komersil dan menawarkan solusi dengan beragam material. Bertahun-tahun Tarkett telah mengembangkan produk lantai yang berkualitas dan inovatif, dengan desain yang spesifik dan persyaratan fungsi untuk beragam jenis ruang pengawasan dalam pemasangan dan pemeliharaan untuk memastikan kinerja yang optimal.

Flooring
Vinyl



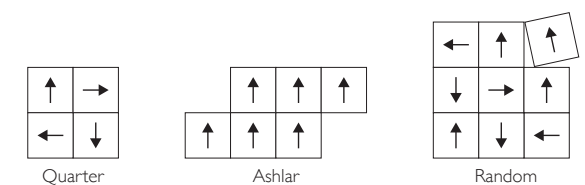
THE ULTIMATE FLOORING EXPERIENCE



Tile Specification

Type : AL Scatola, MR Linea, CV Ombra, VY Punto	
Fibre	100% Nylon Solution
Construction	Dyed
Pile Height	Multi Level Loop Modular
Total Height	Carpet
Pile Weight	2.00 / 6.00 mm
Total Weight	9 mm
Primary Backing	615 grams / m2
Secondary Backing	abt 4000 grams / m2
Size Per Tile	Non Woven Lutrador
No. of Tiles Per Box	PVC + Fibre Glass 50 x 50 cm 20 pcs / (5m2) per box

Recommended Installations



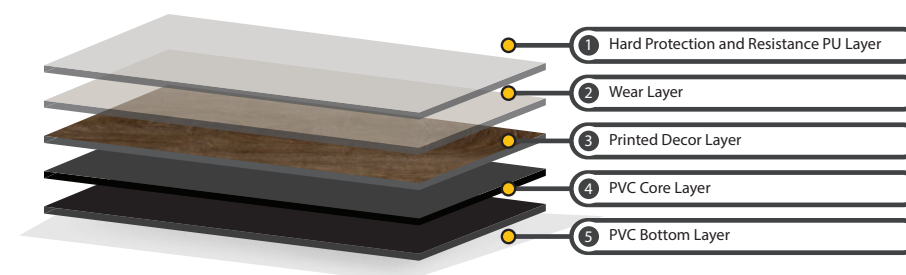
General Specification

Construction	Multi-Level Loop
Pile Fiber Composition	100% Nylon
Tufting Gauge	1/12"
Dye Method	Solution Dyed
Backing Structure	Glass Reinforced PVC





ALVERA Type 3 /0.2mm, 2/0.15mm



Type	Class	Application	Installation	Warranty	Dimension
3/0.2 mm	ASTM F1700	EN ISO 10874	-	Residential	Wood Series : 152,4 x 914,4 x 3 mm
	Class III/Type B	22	Direct Glue	5 Years	Stone Series : 304,8 x 609,6 x 3 mm
2/0.15 mm	ASTM F1700	EN ISO 10874	-	-	Wood Series : 152,4 x 914,4 x 2 mm
	Class III/Type B	21	Direct Glue	-	Stone Series : 304,8 x 609,6 x 3 mm

Vinyl Flooring and
Wall Covering



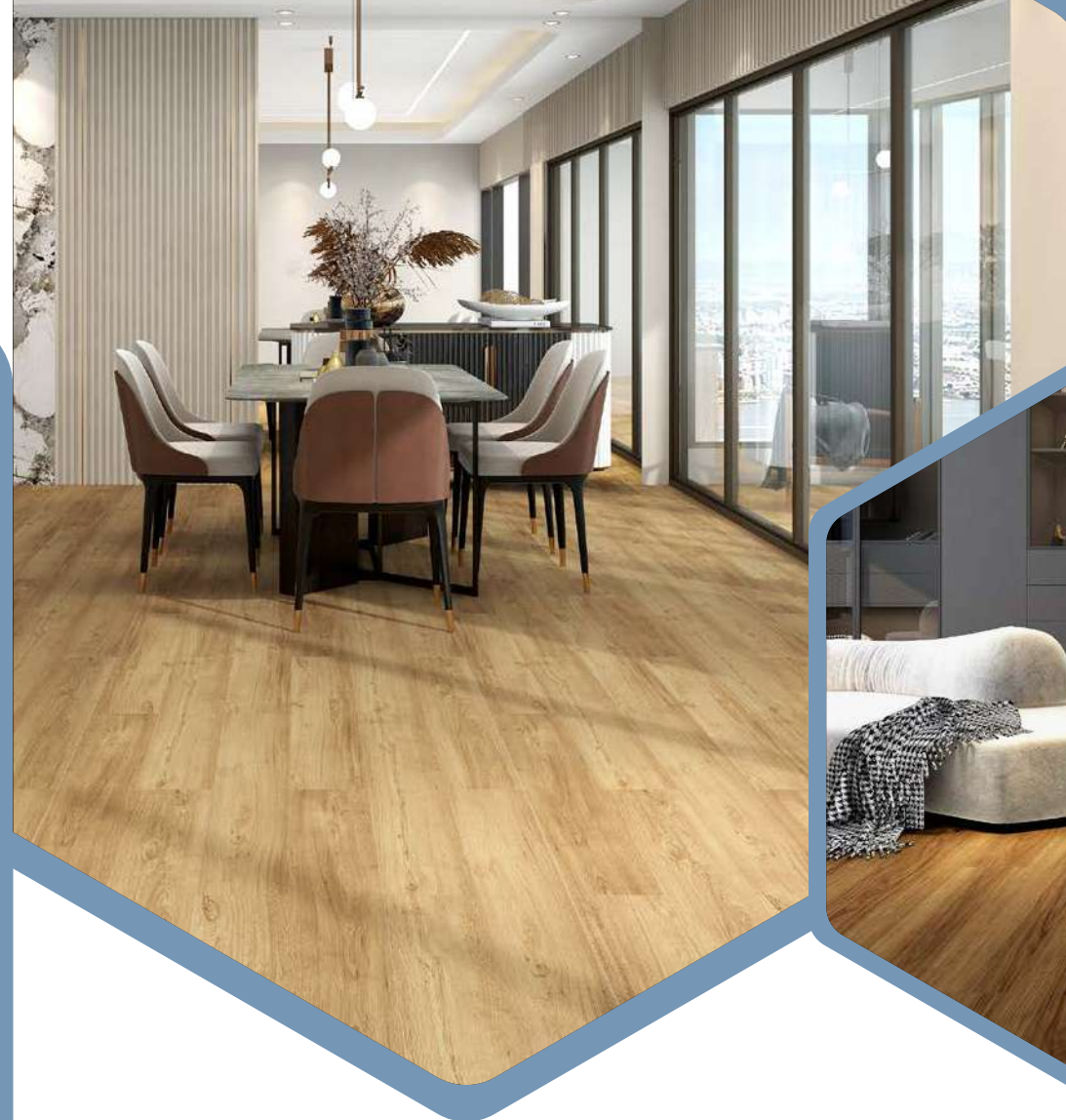
ALVERA
BEYOND THE ORDINARY



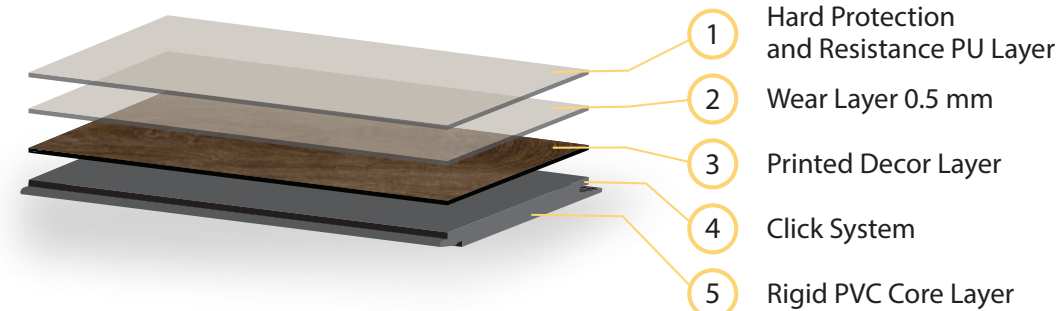
Stone Polymer
Composite Flooring



ALVERA
BEYOND THE ORDINARY



ALVERA  SPC
Type 4 /0.5mm



Dimension
Stone Series
305 x 610 x 4 mm

Dimension
Wood Series
180 x 1220 x 4 mm

PT. Alderon Pratama Indonesia

a subsidiary of  **PT Impack Pratama Industri Tbk**

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