



ALCLAD
Made in KSA

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ALCLAD
Made in KSA

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THE ONLY **ACP** MANUFACTURING BRAND
IN **INDIA, MIDDLE EAST** AND **AFRICA** WITH
IN-HOUSE ALUMINIUM COIL **PRODUCTION**
CAPACITY. —————

ART
VISION



VISION

To be the leading provider of ACP, delivering reliable, durable, and high-performance solutions for modern construction and architectural projects

MISSION

To manufacture panels that meet rigorous quality standards, deliver consistent performance, and support architects, builders, and designers in executing projects efficiently and effectively

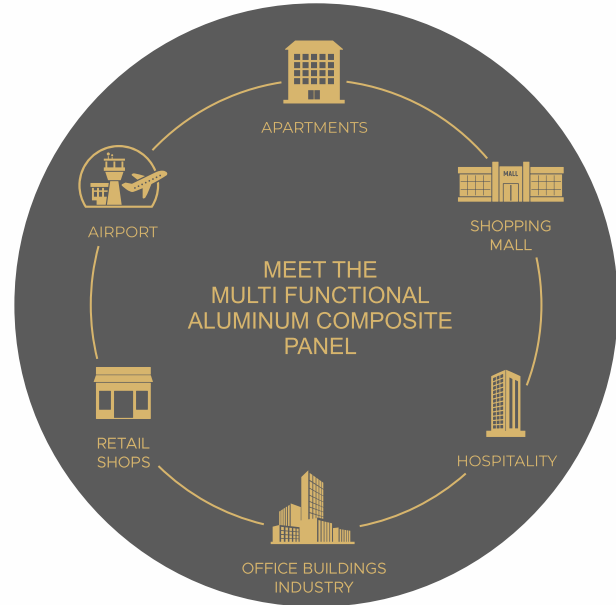
ALCLAD
Made in KSA

Alclad stands at the forefront of ACP, delivering products that combine durability, versatility, and visual appeal. Our panels are designed to perform in every environment, whether for towering facades, commercial spaces, or residential interiors, providing surfaces that are both dependable and impressive.

We understand the demands of modern construction and design, which is why our solutions are built to adapt, endure, and elevate every project. More than just panels, **Alclad** offers reliability, consistency, and a range of finishes that empower projects to reach their full potential. Our focus is simple: to provide materials that enhance every space with an international feel, unique presence, and lasting durability.

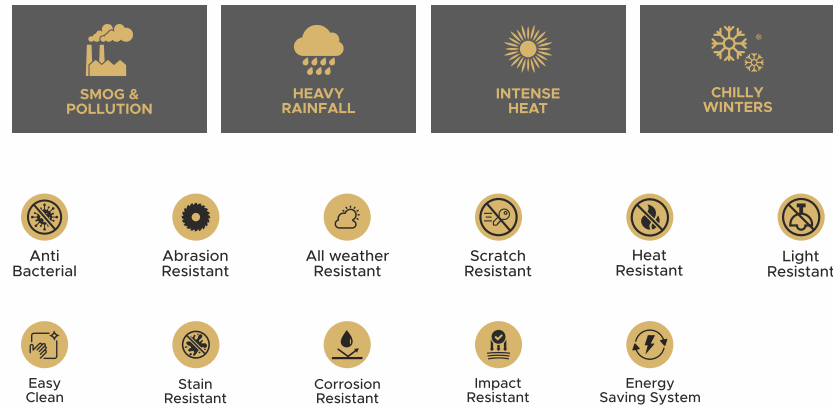
With **Alclad**, architects, builders, and designers gain not just a product, but a partner that supports their vision and strengthens their work at every step.

APPLICATION, PRODUCT DETAILS



APPLICATION PLACES

Public Facilities, Sun Protection System, Office Entry Portal, Windows, Playground Facilities, Sports Facilities, Elevation, Duct Covering, Ceilings, Balcony, Pillars, Doors, Gates, Ventilated Facades, Entrances, Fencing, Partitions, Railings, Outdoor Furniture & many more



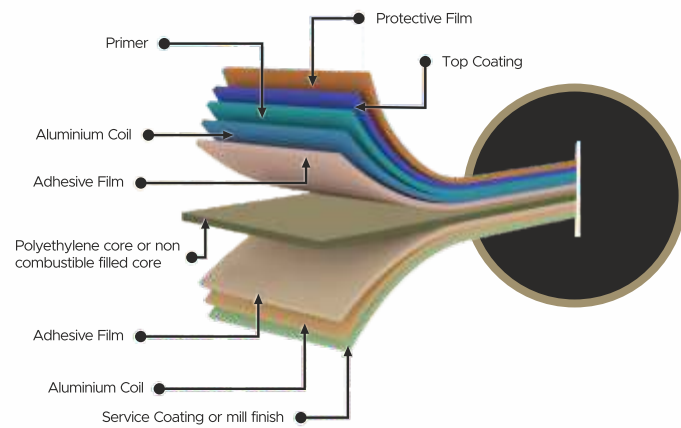
Recommended Fabrication Specification

- Aluminium section should used in 2' X 2' standard size
- Ideal panel size should be used in 2' X 2' standard size
- Use system, avoid silicone.

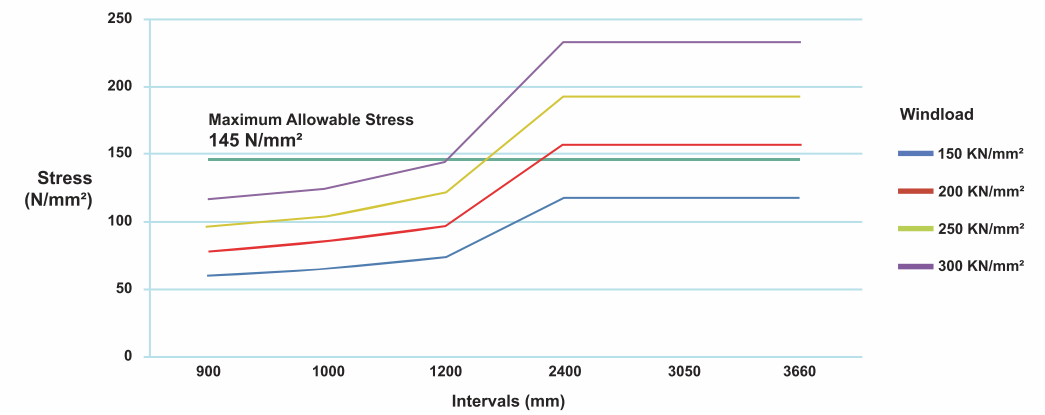
Colour may vary from batch to batch ΔE

Note: Premium Grade aluminium composite panels as per fire classification EN-13501-1 Class-B1 is also available. It is recommended to clean the panel minimum 2 times in a year for better performance of ACP. The cleaning agent Ph should be 8-10 and the panel cleaning done below 30° C temperature.

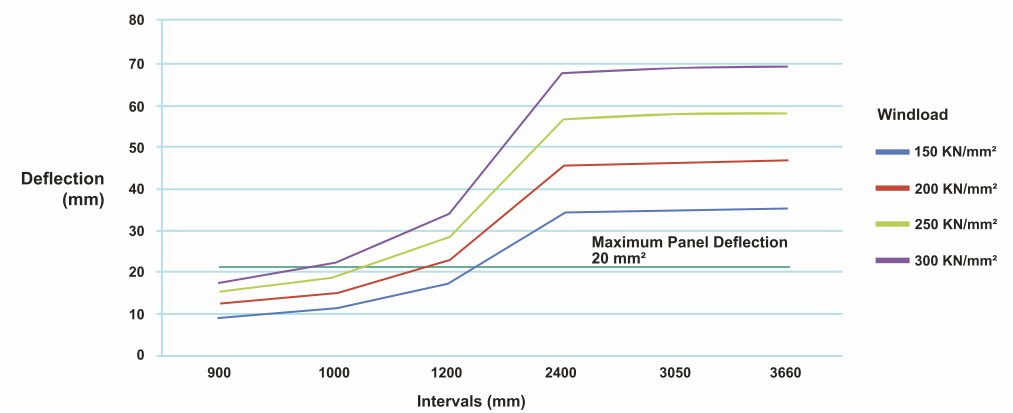
PANEL COMPOSITION



Allowable Stress Curve (4mm.5)*



Maximum Deflection Curve (4mm.5)*



*4mm.5 Product chosen with 1200 mm width

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MOSS
& RUST

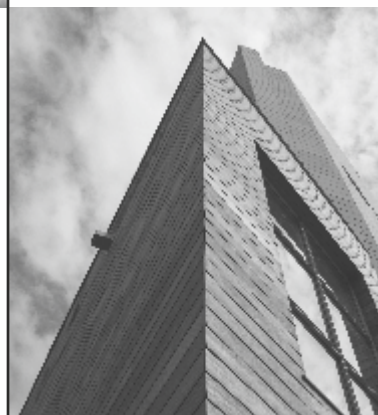
11 — 12

DUNE

15 — 16

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19 — 20

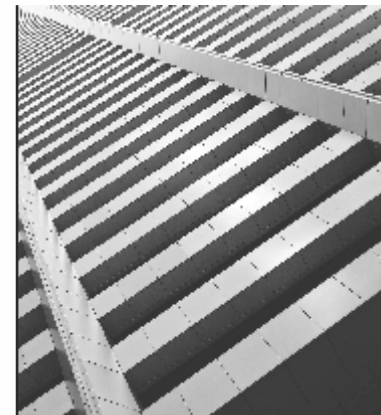


WOODEN

23 — 26

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29 — 30



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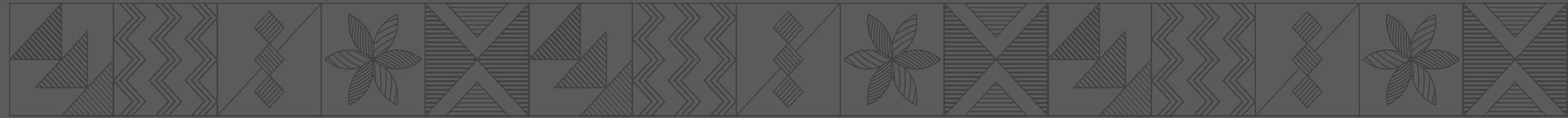
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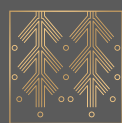
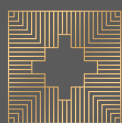
GLOSSY

47 — 50



MOSS & RUST

Perfect for creating dramatic, statement
exteriors that tell a story of resilience
and enduring legacy





Mass and Rust



 AC 4001 | INDUSTRIAL ASH



 AC 4002 | RUST EMBER



Panels that redefine your building's first impression.



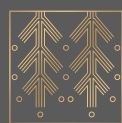
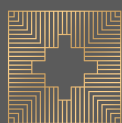
 AC 4003 | MOLTEN CORE





DUNE

The range captures the subtle textures and flowing lines that define endless horizons





Dune Collection



175 x 95

 AC 8001 | BLUE PINE



 AC 8002 | OLIVE STONE

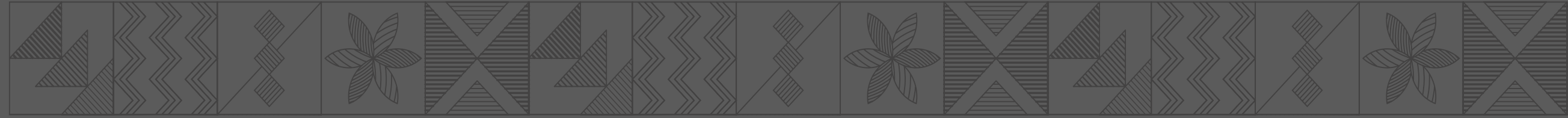


75 x 100

 AC 8003 | HONEY CREAM

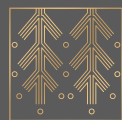
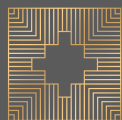


75 x 100



STONE

Elevate your projects with a finish that blends lasting strength and refined texture, built to endure and make a bold statement.





75 x 100

 AC 5011 | PEARL STONE



75 x 100

 AC 5022 | SATVARIO



75 x 100

 AC 5033 | PREMIUM MARBLE



75 x 100

 AC 5044 | CEMENT STONE



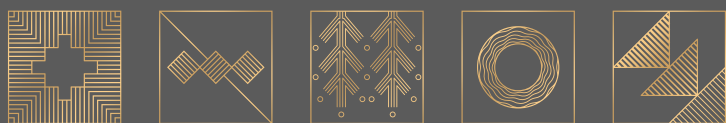
SPLENDOR CARVED IN EVERY LAYER

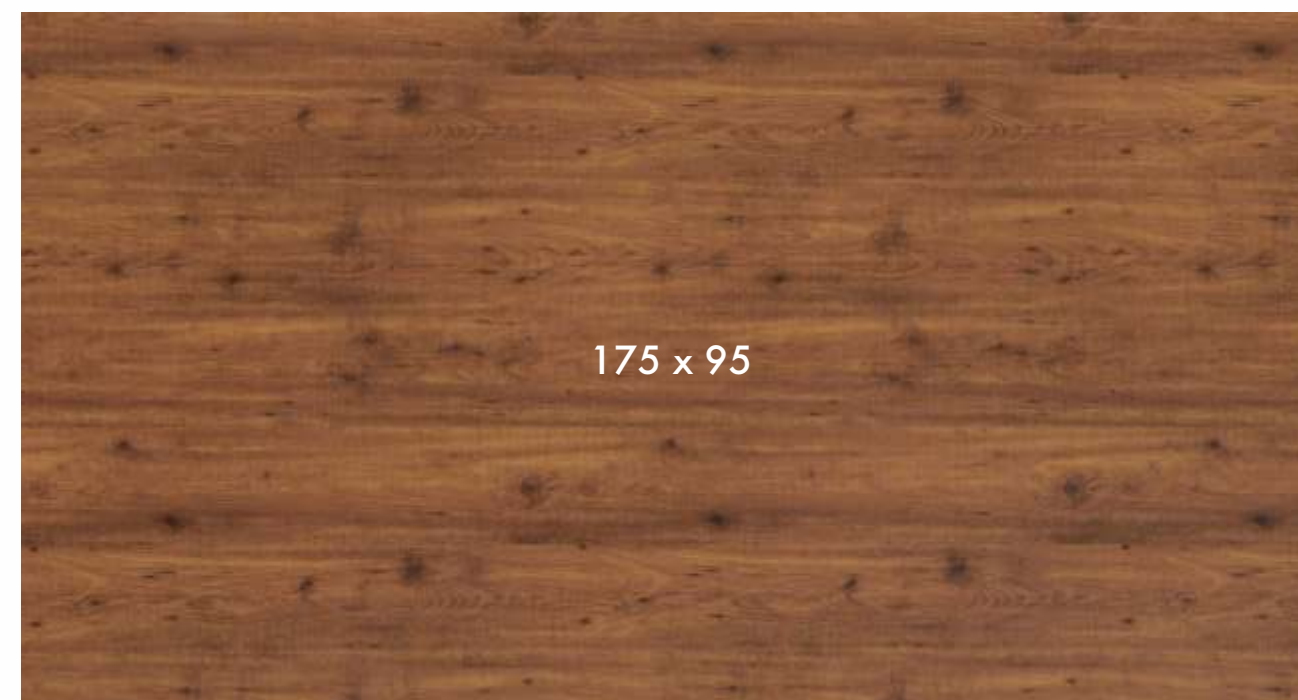




WOODEN

Capturing the rich textures and timeless beauty of natural wood, this finish delivers authentic character and enduring appeal to your exterior

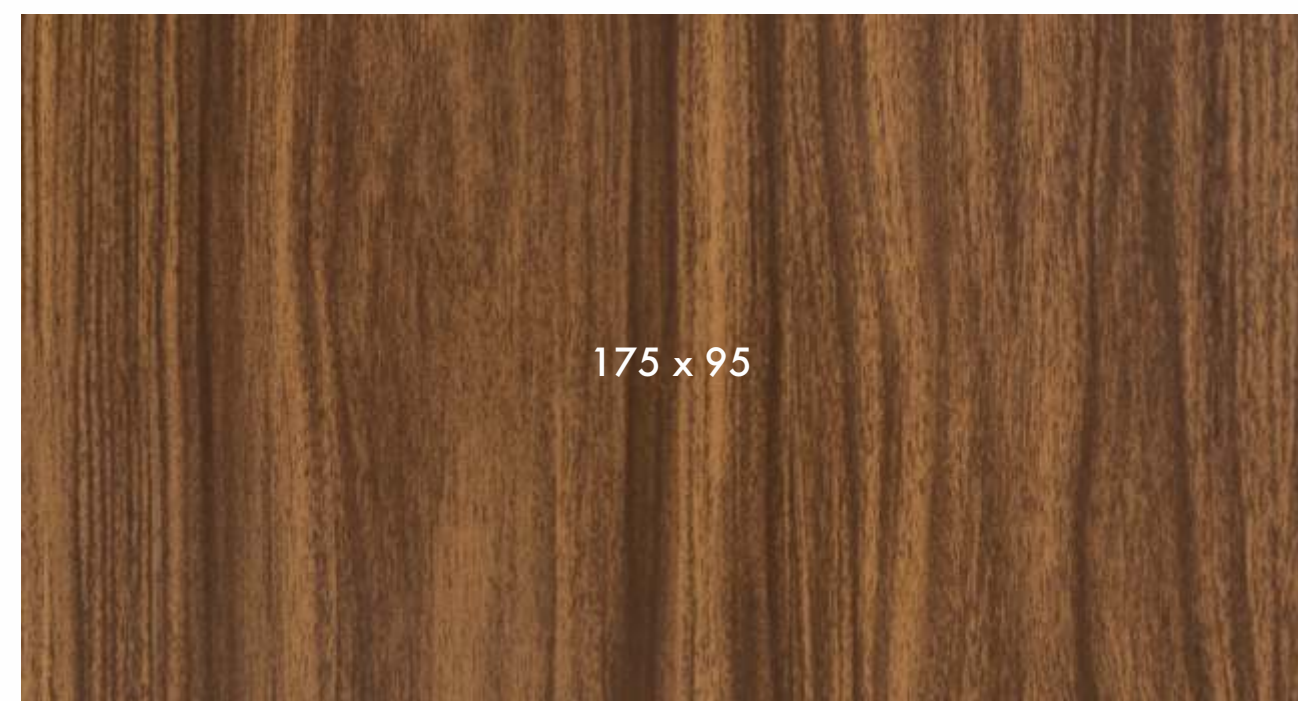




AC 9011 | CHINTO PINE



AC 9022 | AMERICAN WALNUT





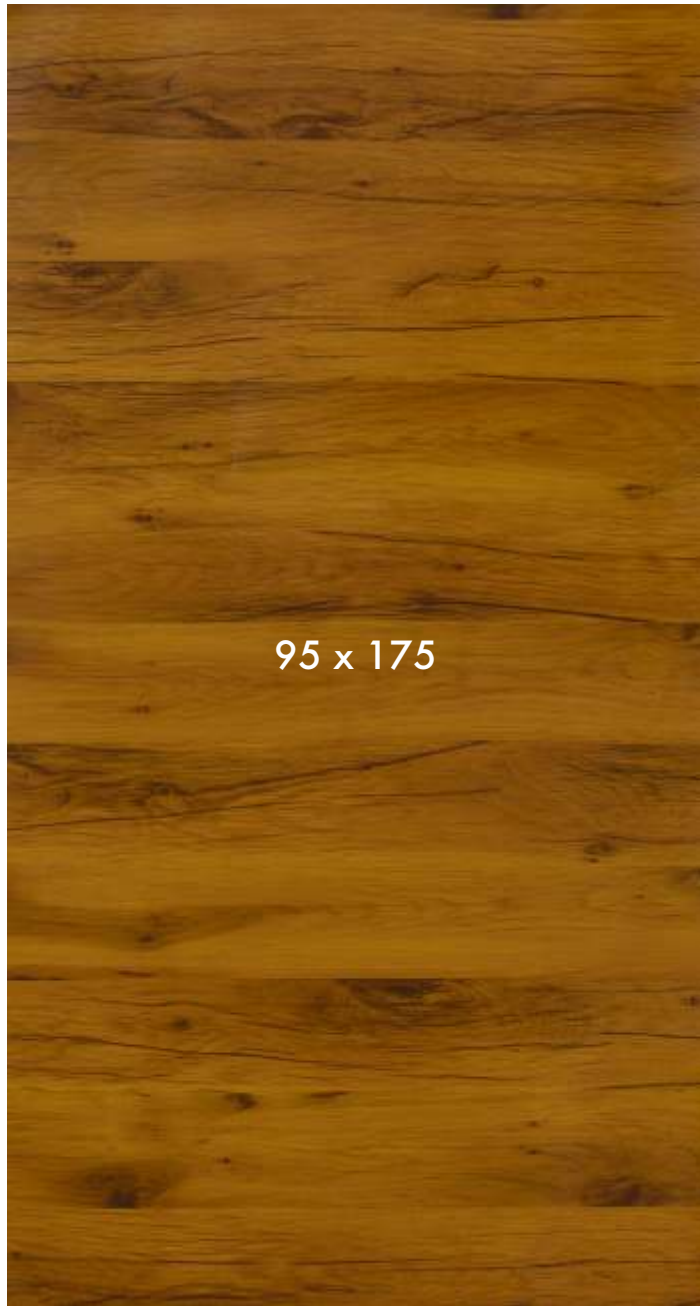
AC 9033 | VELTECH WALNUT



AC 9044 | TAHITI SAMOA TEAK



Endless charm shaped for
the future space



AC 9055 | MAHAGONY ELITE



AC 9066 | CARMEL TEAK



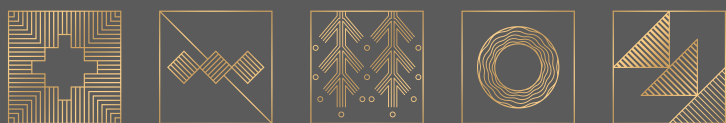
AC 9077 | COCLA TEAK

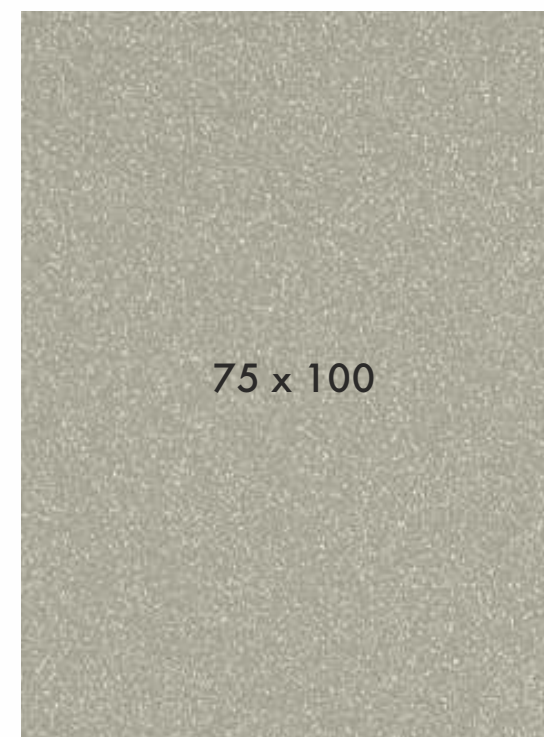




SAND

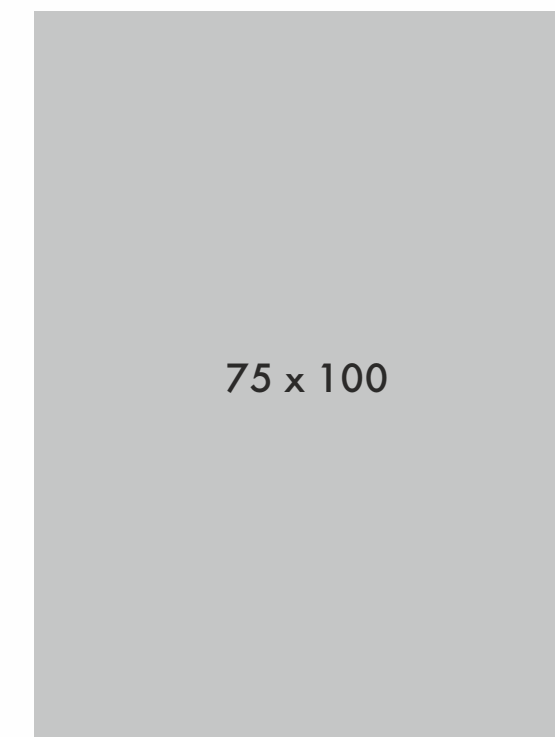
Bringing the subtle elegance of
natural sand textures and timeless
beauty to your spaces





75 x 100

 AC 6011 | PEARL GREY



75 x 100

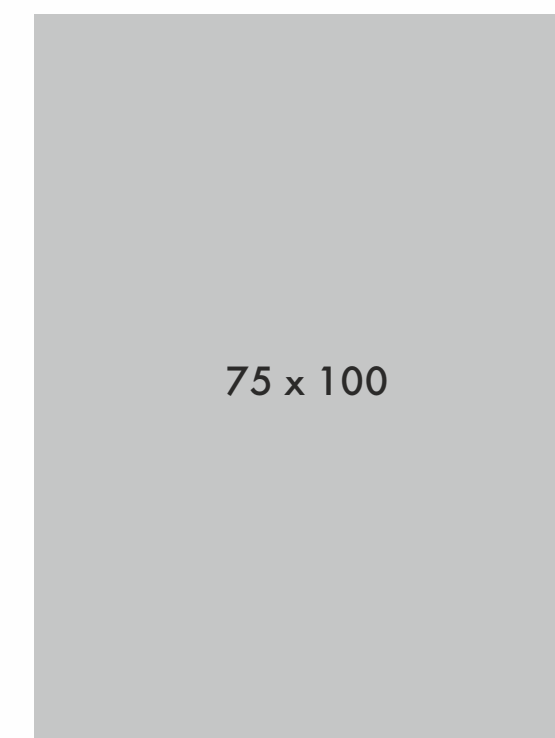
 AC 6022 | BIEGE SAND

 AC 6033 | QUARTZ GREY



75 x 100

 AC 6044 | ASPHALT GREY

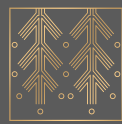
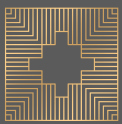


75 x 100



METALLIC

Its lustrous surface captures light to create dynamic reflections that transform facades into impressive visual landmarks.



COMMANDS ATTENTION AND NEVER FADES AWAY



Métallik Collection

ALCLAD
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175 x 95

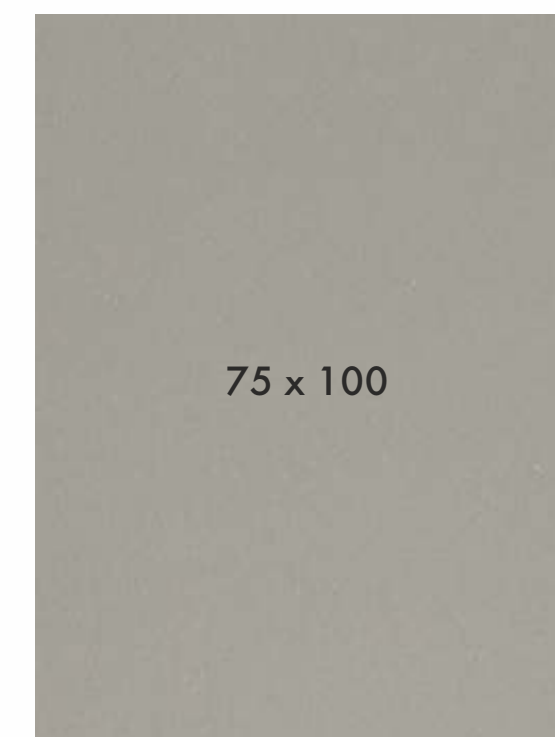
 AC 7001 | EXOTIC SILVER

 AC 7002 | SOOTHING SILVER

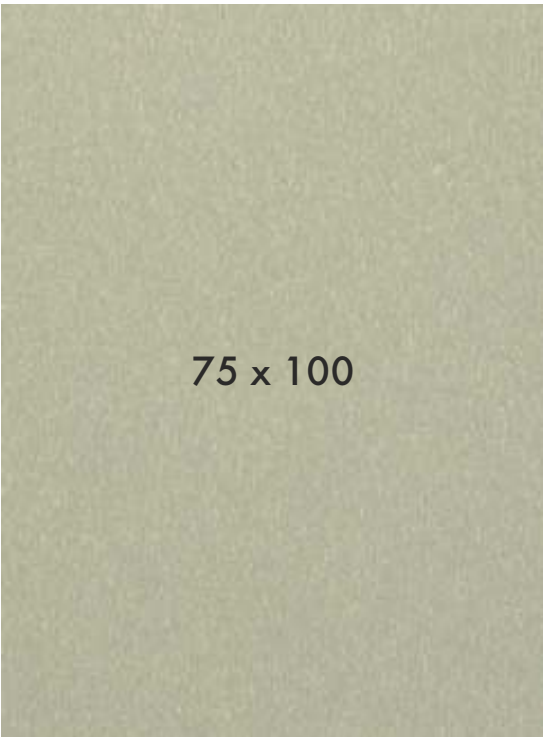


75 x 100

 AC 7003 | CHAMPAGNE SILVER



75 x 100



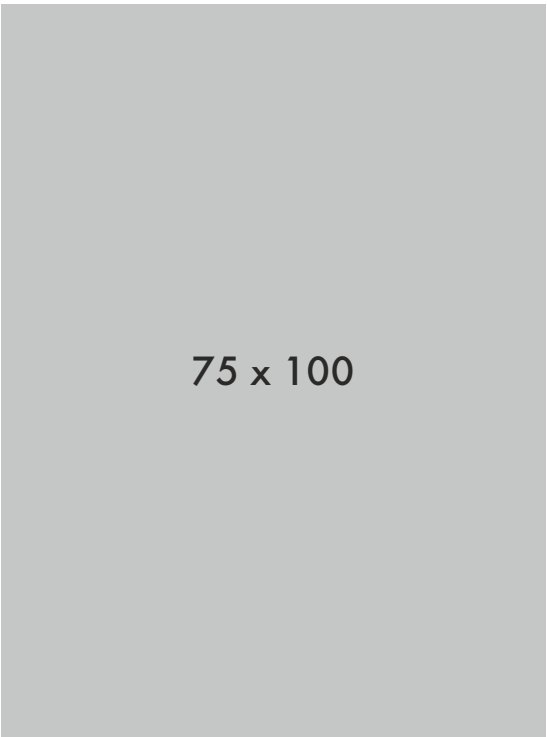
75 x 100

 AC 7004 | CHAMPAGNE GOLD



75 x 100

 AC 7005 | METALLIC GREY



75 x 100

 AC 7009 | METALLIC COFFEE



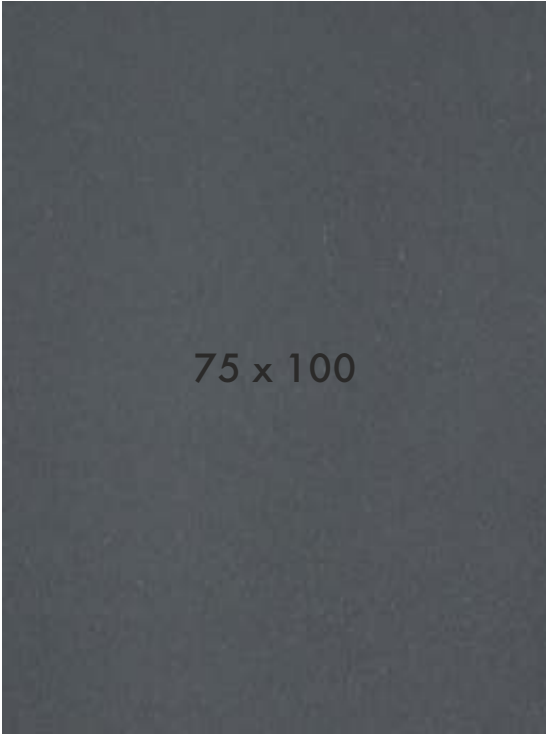
75 x 100

 AC 7011 | GOLD



75 x 100

 AC 7007 | GUN METALLIC



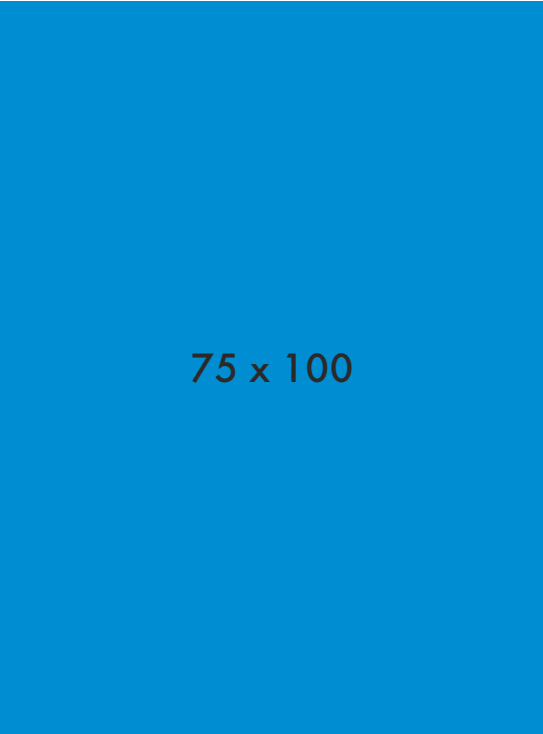
75 x 100

 AC 7008 | DARK GREY METALLIC



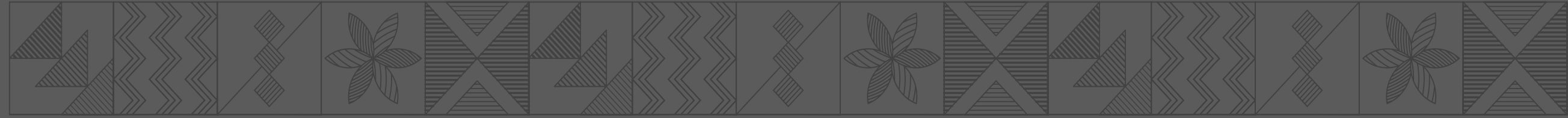
75 x 100

 AC 7022 | COPPER



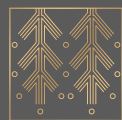
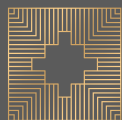
75 x 100

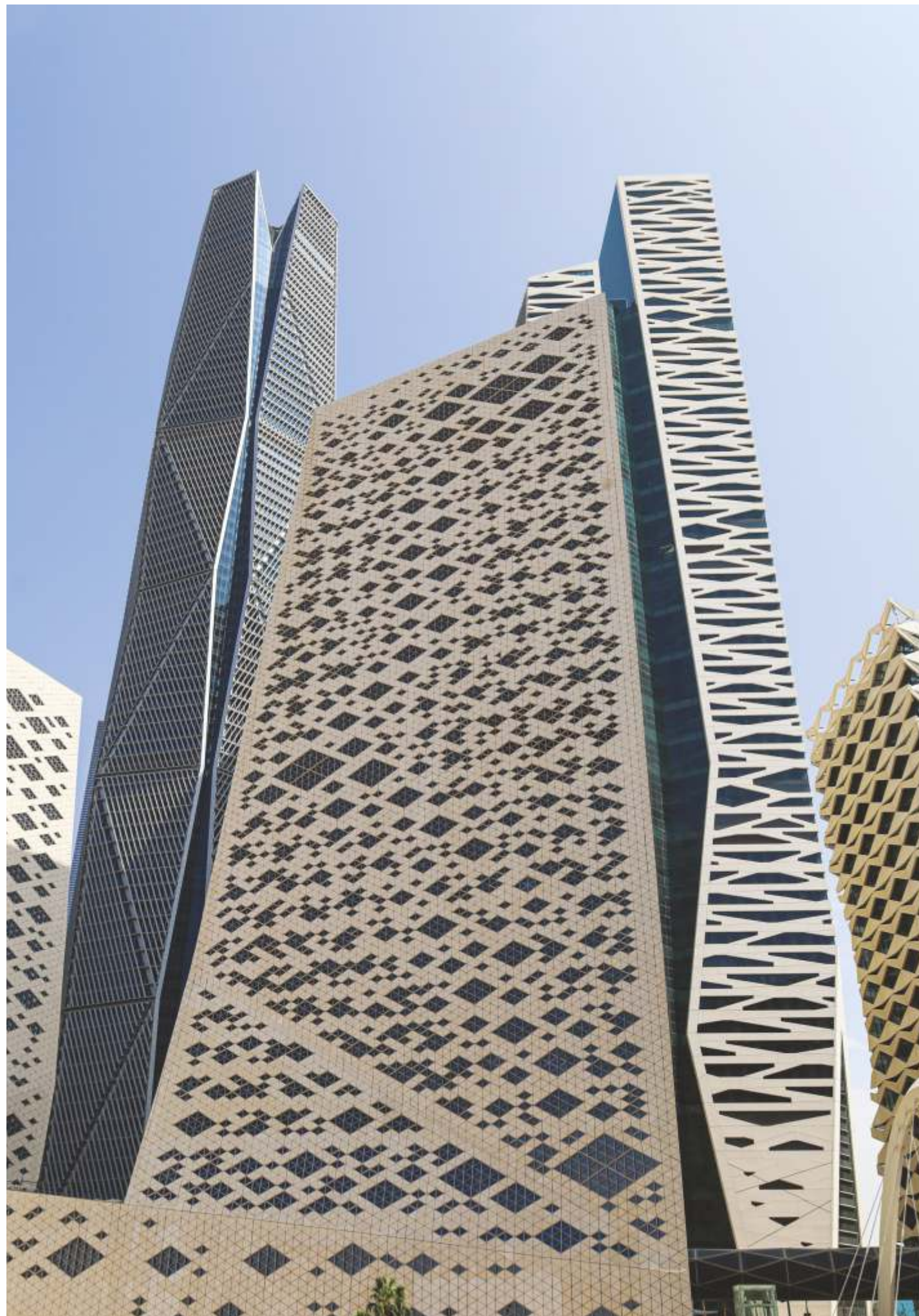
 AC 7033 | METALLIC BLUE



SOLID

The Collection delivers consistent quality
and a flawless finish that complements
every architectural style





75 x 100

 AC 3001 | ICE WHITE

75 x 100

 AC 3002 | BRIGHT WHITE

Experience the spell of majestic transformation

95 x 175

 AC 3003 | PURE WHITE

75 x 100

 AC 3004 | MILKY WHITE

75 x 100

 AC 3005 | IVORY WHITE

60 x 100

 AC 3008 | LIGHT GREY

100 x 60

 AC 3010 | BEIGE

 AC 3011 | DHOLPUR RED

100 x 60

 AC 3006 | MAGMA

75 x 100

 AC 3007 | ANTHRAXIT GREY

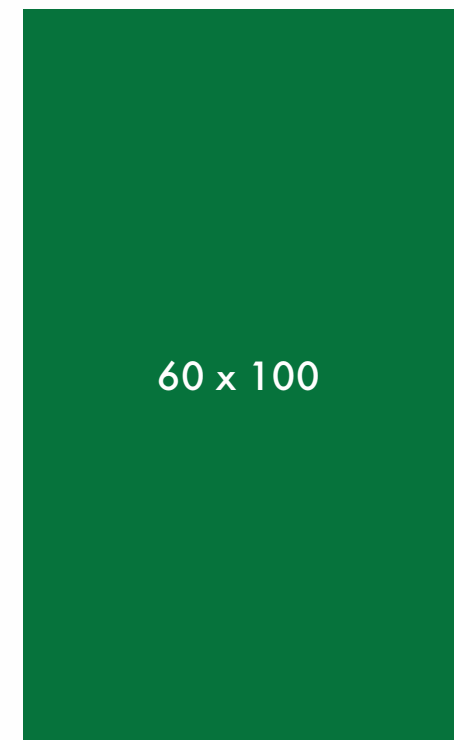
75 x 100

 AC 3009 | DARK GREY

60 x 100

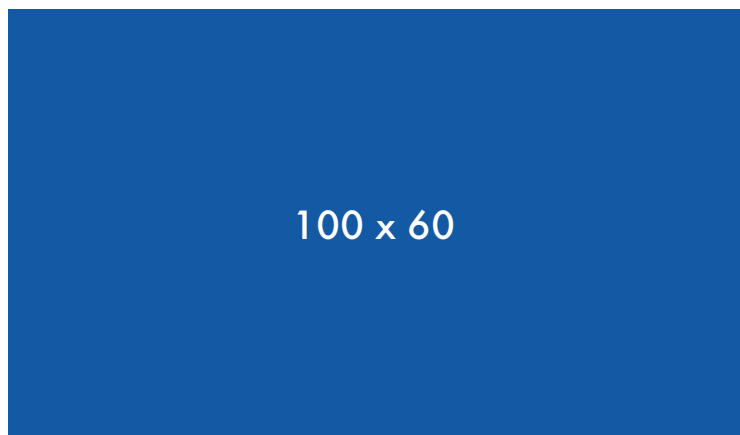
 AC 3012 | LIGHT GREEN

100 x 60



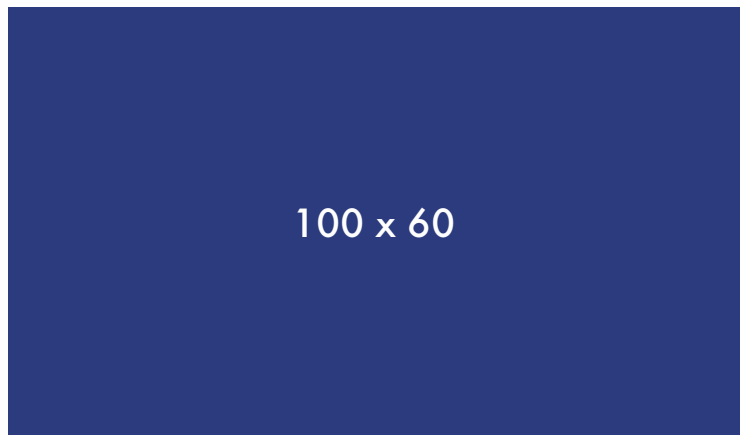
 AC 3013 | GREEN

 AC 3014 | TOURQUISE GREEN

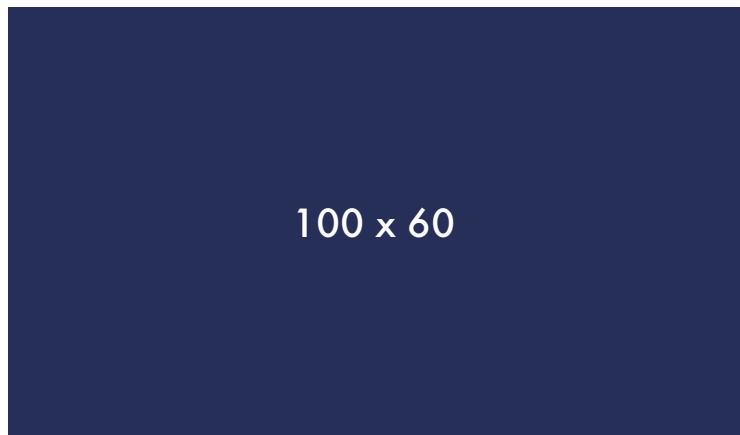


 AC 3015 | SIGNAL BLUE

 AC 3016 | DARK BLUE

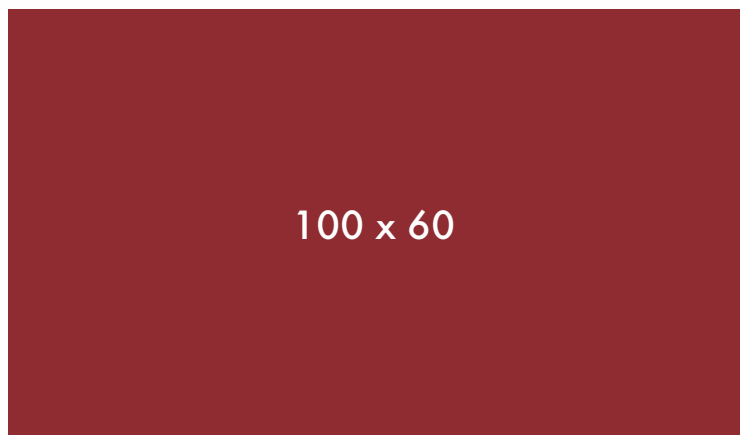
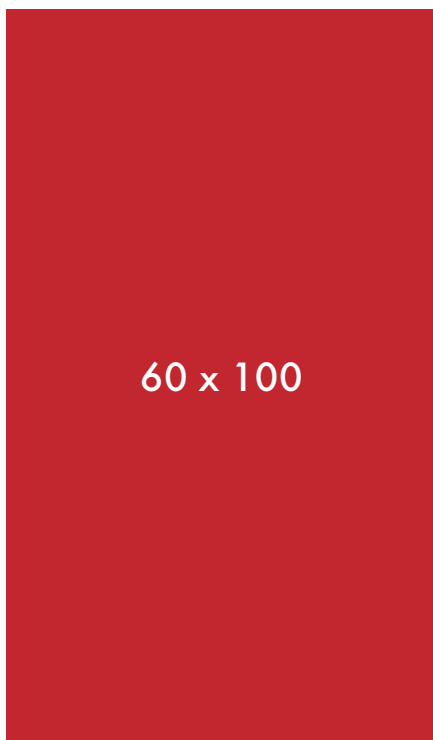


 AC 3017 | DEEP BLUE



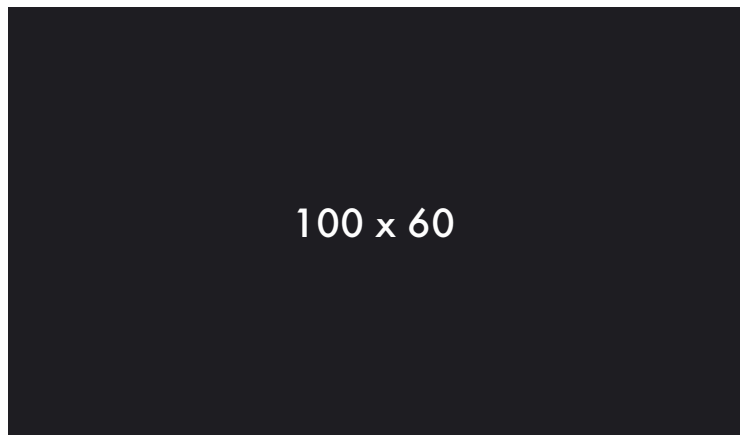
 AC 3018 | BRIGHT ORANGE

 AC 3019 | LUXURY RED

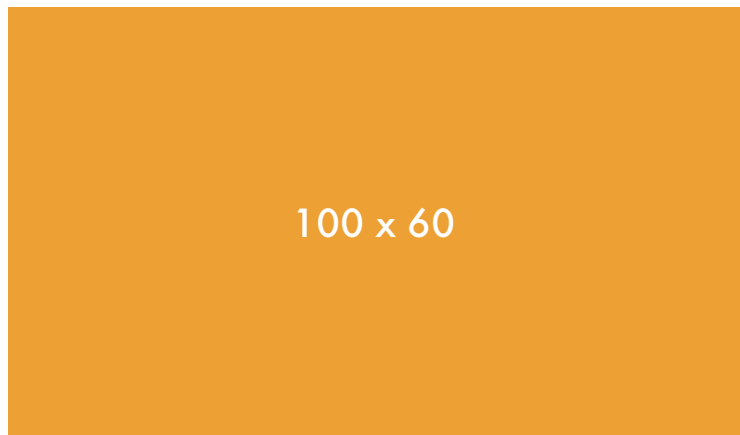


 AC 3020 | BURGUNDY

 AC 3021 | BLACK



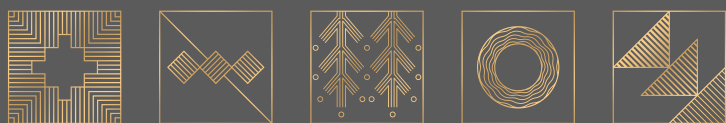
 AC 3022 | TRAFFIC YELLOW





GLOSSY

Perfected to amplify the beauty of every facade with a smooth, mirror-like surface that captivates at every glance





Glassy Collection



175 x 95

AC 1011 | GLOSSY GREY

AC 1022 | GLOSSY PURE WHITE



75 x 100

AC 1033 | PEARL WHITE



75 x 100

75 x 100

AC 1044 | GLOSSY RED

75 x 100

AC 1055 | GLOSSY BLACK

AC 1066 | BABY PINK

175 x 95

Shine louder with
mirror-finish brilliance

MIRROR

Note: Mirror shades only for interior purposes

100 x 60

AC 2222 | GOLD MIRROR

AC 3333 | SILVER MIRROR

100 x 60

AC 4444 | SILVER BRUSH

100 x 60

BRUSH

A textured finish that
adds depth while
maintaining balance



TAS INTERNATIONAL FOR MANUFACTURING

شركة تاس انترناشيونال للصناعة

ALCLAD
Made in KSA



TECHNICAL DATA SHEET - FR2

SR.NO.	PARAMETERS	STANDARD	UNIT	SPECIFICATIONS
A PHYSICAL PROPERTIES OF ALUMINIUM COMPOSITE PANEL				
1	Thickness Of ACP Panel	By Calibrated Micrometer	mm	4
2	Cover Sheet Thickness	By Calibrated Micrometer	mm	0.40
3	Core Thickness	By Calibrated Micrometer	mm	3.2
4	Alloy	ASTM B209 M		AA3105
5	Temper	ASTM B209 M		H16
6	Density	ASTM D792	(g/cc)	1.91 ± 5%
7	Weight of Panel	By Calibrated Weighing Balance	Kg/m ²	8.1 ± 5%
8	Core Material			Mineral Core
B MECHANICAL PROPERTIES OF ALUMINIUM SKIN				
1	Tensile Strength	ASTM E8	Mpa(N/mm ²)	Min.160
2	Yield Strength	ASTM E8	Mpa(N/mm ²)	Min.120
3	Elongation	ASTM E8	%	Min. 3
4	Modulus Of Elasticity	ASTM E8	N/mm ²	70000
C MECHANICAL PROPERTIES ALUMINIUM COMPOSITE PANEL				
1	Tensile Strength	ASTM E8	Mpa(N/mm ²)	Min. 42
2	Yield Strength	ASTM E8	Mpa(N/mm ²)	Min. 35
3	Elongation	ASTM E8	%	Min. 5
4	Bond Integrity (Peel Strength)	ASTM D903	N/mm	Min. 6
5	Linear Thermal Expansion	ASTM D 696	mm/m/°C	2.4
D COATING PROPERTIES				
1	Top Coat Coating Type	AAMA 2605	PVDF/FEVE Coating	
2	Bottom Coat (Service Coat) Type	AAMA 2603	Polyester Coating	
3	Top coat Coating Thickness (DFT)	ASTM D7091	(µm)	27±3
4	Bottom coat Coating Thickness (DFT)	ASTM D7091	(µm)	6-8
5	Gloss (60°)	ASTM D523	(GU)	STD±3
6	Weather -o-Meter Test	AAMA 2605	4000 Hour Test	
I	Gloss Retention	ASTM D523	%	Min. 50
II	Colour Retention	ASTM D2244	Units	Max. 5
III	Chalk resistance	ASTM D4144	Units	Max. 5
7	Salt Spray Test	AAMA 2605	4000 Hours Test	Pass
8	Abrasion Resistance	AAMA 2605	mg/1000 cycle	Max. 40
9	Formability	ASTM D4145	T	2T
10	Pencil Hardness	ASTM D3363	H	Min. H1
11	Reverse Impact/Cross Hatch	NCCA-II-5		No Pick up
E CHEMICAL RESISTANCE TEST				
1	10% HCL (1hrs)	ASTM D1308		No Visual Change
2	20% H ₂ SO ₄ (72hrs)	ASTM D1308		No Visual Change
3	20% NaOH (18hrs)	ASTM D1308		No Visual Change
4	Mortar, pat test 24 hrs	AAMA2605		No Visual Change
5	Detergent 3% solution, 38°C, 72 hrs	ASTM D2248		No Visual Change
6	Mek test	ASTM D5402	Mek Rub(200Rub)	No Visual Change
7	Adhesion Test	ASTM D3359		No Pick up
I	Dry			No Pick up
II	Wet	37±5°C, 24hrs		No Pick up
III	Boiling Water	100°C, 20min		No Pick up
F FIRE PERFORMANCE				
1	Reaction to Fire Behaviour	EN13501-1		Class A2 S1 D0
G PRODUCT TOLERANCE				
1	Panel Length	.....	mm	±2
2	Panel Width	.....	mm	±4
3	Panel Squariness	.....	mm	±5
4	Panel Bow	.....	%	Max. 0.8
5	Panel Thickness	.....	mm	±0.2
6	Aluminium Sheet Thickness	.....	mm	±0.03



TECHNICAL DATA SHEET - FR3

SR.NO.	PARAMETERS	STANDARD	UNIT	SPECIFICATIONS
A PHYSICAL PROPERTIES OF ALUMINIUM COMPOSITE PANEL				
1	Thickness Of ACP Panel	By Calibrated Micrometer	mm	4
2	Cover Sheet Thickness	By Calibrated Micrometer	mm	0.40
3	Core Thickness	By Calibrated Micrometer	mm	3.20
4	Alloy	ASTM B209 M		AA3105
5	Temper	ASTM B209 M		H16
6	Density	ASTM D792	(g/cc)	1.82 ± 5%
7	Weight of Panel	By Calibrated Weighing Balance	Kg/m ²	7.3 ± 5%
8	Core Material			Mineral Core
B MECHANICAL PROPERTIES OF ALUMINIUM SKIN				
1	Tensile Strength	ASTM E8	Mpa(N/mm ²)	Min.160
2	Yield Strength	ASTM E8	Mpa(N/mm ²)	Min.120
3	Elongation	ASTM E8	%	Min. 3
4	Modulus Of Elasticity	ASTM E8	N/mm ²	70000
C MECHANICAL PROPERTIES ALUMINIUM COMPOSITE PANEL				
1	Tensile Strength	ASTM E8	Mpa(N/mm ²)	Min. 40
2	Yield Strength	ASTM E8	Mpa(N/mm ²)	Min. 30
3	Elongation	ASTM E8	%	Min. 5
4	Bond Integrity (Peel Strength)	ASTM D903	N/mm	Min. 6
5	Linear Thermal Expansion	ASTM D 696	mm/m/°C	2.4
D COATING PROPERTIES				
1	Top Coat Coating Type	AAMA 2605	PVDF/FEVE Coating	
2	Bottom Coat (Service Coat) Type	AAMA 2603	Polyester Coating	
3	Top coat Coating Thickness (DFT)	ASTM D7091	(µm)	27±3
4	Bottom coat Coating Thickness (DFT)	ASTM D7091	(µm)	6-8
5	Gloss (60°)	ASTM D523	(GU)	STD±3
6	Weather -o-Meter Test	AAMA 2604	4000 Hour Test	
I	Gloss Retention	ASTM D523	%	Min. 50
II	Colour Retention	ASTM D2244	Units	Max. 5
III	Chalk resistance	ASTM D4144	Units	Max. 5
7	Salt Spray Test	AAMA 2604	4000 Hours Test	Pass
8	Abrasion Resistance	AAMA 2604	mg/1000 cycle	Max. 40
9	Formability	ASTM D1737	T	2T
10	Pencil Hardness	ASTM D3363	H	Min. H1
11	Reverse Impact/Cross Hatch	NCCA-I-5		No Pick up
E CHEMICAL RESISTANCE TEST				
1	10% HCL (1hrs)	ASTM D1308		No Visual Change
2	20% H ₂ SO ₄ (72hrs)	ASTM D1308		No Visual Change
3	20% NaOH (18hrs)	ASTM D1308		No Visual Change
4	Mortar, pat test 24 hrs	AAMA2605		No Visual Change
5	Detergent 3% solution, 38°C, 72 hrs	ASTM D2248		No Visual Change
6	Mek test	ASTM D5402	Mek Rub(200Rub)	No Visual Change
7	Adhesion Test	ASTM D3359		No Pick up
I	Dry			No Pick up
II	Wet	37±5°C, 24hrs		No Pick up
III	Boiling Water	100°C, 20min		No Pick up
F FIRE PERFORMANCE				
1	Reaction to Fire Behaviour	EN1102		Class B1
2	Resistance to Fire	E119-12		2 Hours
G PRODUCT TOLERANCE				
1	Panel Length	.....	mm	±2
2	Panel Width	.....	mm	±4
3	Panel Squariness	.....	mm	±5
4	Panel Bow	.....	%	Max. 0.8
5	Panel Thickness	.....	mm	±0.2
6	Aluminium Sheet Thickness	.....	mm	±0.03

PRODUCT GRADE

FR2

FR3



Panel Dimension

Width
1250 x 1500
Length Upto 6000

Width
1250 x 1500
Length Upto 6000

Panel Thickness

4MM/6MM

4MM/6MM

Aluminium Details
(Alloys)

1XXX/3XXX/5XXX
Series

1XXX/3XXX/5XXX
Series

Coating Thickness

25-28 µ (2 COAT - 2 BAKE)/33-35 µ (3 COAT - 3 BAKE)

Bottom Coat Thickness

5-7 MIC

Product Tolerance

Panel length ± 4mm, Panel width ±2mm,
Panel thickness ± 0.2mm, Coil thickness ± 0.05 mm



TECHNICAL DATA SHEET - FR2

SR.NO.	PARAMETERS	STANDARD	UNIT	TOLERANCE	FR 4MM (0.50)
A PHYSICAL PROPERTIES OF ALUMINIUM COMPOSITE PANEL					
1	THICKNESS OF ACP PANEL		mm	±0.2	4
2	COVER SHEET THICKNESS		mm	±0.03	0.50
3	ALLOY	ASTM B209 M			AA3105
4	TEMPER	ASTM B209 M			H16
5	DENSITY	ASTM D792	(g/cc)	±5%	1.98
6	WEIGHT		Kg/m ²	±5%	8.1
B MECHANICAL PROPERTIES OF ALUMINIUM SKIN					
1	TENSILE STRENGTH	ASTM E8	Mpa(N/mm ²)	±5	145
2	TENSILE YIELD (0.2% PROOF STRESS)	ASTM E8	Mpa(N/mm ²)	±5	140
3	ELONGATION	ASTM E8	%	±2	5.3
C MECHANICAL PROPERTIES ALUMINIUM COMPOSITE PANEL					
1	TENSILE STRENGTH	ASTM E8	Mpa(N/mm ²)	±5	45
2	TENSILE YIELD (0.2% PROOF STRESS)	ASTM E8	Mpa(N/mm ²)	±5	40
3	ELONGATION	ASTM E8	%	±2	4.9
4	BOND INTERGITY (PEEL STRENGTH)	ASTM D903	N/mm	±1	9.0
D COATING DETAILS					
1	COATING TYPE	AAMA 2605	PVDF Coating		
2	COATING THICKNESS	ASTM D7091	(µm)	±2	30
3	GLOSS (60°)	ASTM D523	%	±5%	28
4	FORMABILITY (T-Bend)	ASTM D4145	T	PASSES	2T
5	PENCIL HARDNESS	ASTM D3363	H	PASSES	2H
6	ADHESION(BOILING WATER)	ASTM D3359	100°C, 20min	PASSES	No Pick Up
E CHEMICAL RESISTANCE TEST					
1	5% HCL (24hrs)	ASTM D1308	Visual	PASSES	No Visual Change
2	5% NaOH (24hrs)	ASTM D1308	Visual	PASSES	No Visual Change
3	MEK Test	ASTM D5402	MEK RUB(200Rub)	PASSES	No Visual Change
F Mineral Core Properties					
1	Density of Core	ASTM D792	(g/cc)	±5%	1.85
2	Compounds (Contain ATH &oxide of Mg)	.....	%	Min.	90% Fire Retardant
G FIRE PROPERTIES					
1	REACTION TO FIRE	EN13501-1	PASSES	PASSES	Class A2 s1 d0

PRODUCT TOLERANCE : Panel Width: ±2.0mm; Panel Length: ±4.0mm; Panel Thickness: ±0.2mm; MaximumSquariness:5.0mm; Maximum Bow:0.5% of width and/or length; Coil Thickness: ±0.03mm



TECHNICAL DATA SHEET - FR3

SR.NO.	PARAMETERS	STANDARD	UNIT	TOLERANCE	FR 4MM(0.50)
A PHYSICAL PROPERTIES OF ALUMINIUM COMPOSITE PANEL					
1	THICKNESS OF ACP PANEL		mm	±0.2	4
2	COVER SHEET THICKNESS		mm	±0.03	0.50
3	ALLOY	ASTM B209 M			AA3105
4	TEMPER	ASTM B209 M			H16
5	DENSITY	ASTM D792	(g/cc)	±5%	1.75
6	WEIGHT		Kg/m ²	±5%	7.4
B MECHANICAL PROPERTIES OF ALUMINIUM SKIN					
1	TENSILE STRENGTH	ASTM E8	Mpa(N/mm ²)	±5	145
2	TENSILE YIELD (0.2% PROOF STRESS)	ASTM E8	Mpa(N/mm ²)	±5	140
3	ELONGATION	ASTM E8	%	±2	5.3
C MECHANICAL PROPERTIES ALUMINIUM COMPOSITE PANEL					
1	TENSILE STRENGTH	ASTM E8	Mpa(N/mm ²)	±5	42
2	TENSILE YIELD (0.2% PROOF STRESS)	ASTM E8	Mpa(N/mm ²)	±5	36
3	ELONGATION	ASTM E8	%	±2	5.2
4	BOND INTERGITY (PEEL STRENGTH)	ASTM D903	N/mm	±1	9.2
D COATING DETAILS					
1	COATING TYPE	AAMA 2605	PVDF Coating		
2	COATING THICKNESS	ASTM D7091	(µm)	±2	30
3	GLOSS (60°)	ASTM D523	%	±5%	29
4	FORMABILITY (T-Bend)	ASTM D4145	T	PASSES	2T
5	PENCIL HARDNESS	ASTM D3363	H	PASSES	2H
6	ADHESION(BOILING WATER)	ASTM D3359	100°C, 20min	PASSES	No Pick Up
E CHEMICAL RESISTANCE TEST					
1	5% HCL (24hrs)	ASTM D1308	Visual	PASSES	No Visual Change
2	5% NaOH (24hrs)	ASTM D1308	Visual	PASSES	No Visual Change
3	MEK Test	ASTM D5402	MEK RUB(200Rub)	PASSES	No Visual Change
F Mineral Core Properties					
1	Density of Core	ASTM D792	(g/cc)	±5%	1.58
2	Compounds (Contain ATH &oxide of Mg)	.....	%	Min.	70% Fire Retardant
G FIRE PROPERTIES					
1	REACTION TO FIRE	EN13501-1	PASSES	PASSES	Class B s1 d0

PRODUCT TOLERANCE : Panel Width: ±2.0mm; Panel Length: ±4.0mm; Panel Thickness: ±0.2mm; MaximumSquariness:5.0mm; Maximum Bow:0.5% of width and/or length; Coil Thickness: ±0.03mm

THE SMART CHOICE FOR STRENGTH AND STYLE

Technical Specification