

Grade FR ACP



**Alcon**  
THE ULTRA ACP

**ALCON PANEL INDUSTRIES PRIVATE LIMITED**

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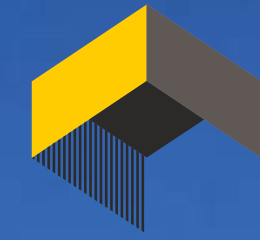
[www.alconpanels.com](http://www.alconpanels.com)

Meet AD World  
@ 9911787766



**Alcon**  
THE ULTRA ACP

*Premier Collection*



**Alcon**  
THE ULTRA ACP



• STRONG • BOLD • DURABLE



# WHO WE ARE

Our team at Alcon constantly believe in coming up with unique ideas and designs and it helps us to craft in a unique and with better approach. If you wish to give a new look to your space then you can reach out to us [info@alconpanels.com](mailto:info@alconpanels.com) and get a never like before experience with Alcon. As we are equally passionate about bringing a supremely good change in your space.

## OUR VALUES

**TRUSTWORTHY-** Trust is the base on which we rely completely and believe in it. its just your trust on us help us to perform and deliver better in all aspects. Also we deliver our service in the best possible way soonest and we assure with complete transparency from our side.

**SUPREME QUALITY-** Quality assurance comes with the right selection of the material and when it comes to the selection of material we and our entire team know the best quality and we implement the quality check routine throughout the entire process of delivering our best service. Quality of our product is something that sets us different from others.

**COST EFFECTIVE-** With our price sensitivity approach we make sure that our clients coming from various backgrounds feel comfortable and get the luxurious feel by our supreme quality products. We believe in upgrading the daily lifestyle with ultra-sleek approach.

**HIGHLY SKILLED-** With their experience of many years it can be truly seen in their work and inspiration that they create for many others to create. This is one of the strongest reason why Alcon stands strong in shaping your space with uniquely crafted approach with great expertise services.

### THE INDUSRTY STORY

The top and bottom layers of ACP are of coated aluminium coils and the core sandwiched them is polyethylene.

- Protection Film with Company logo
  - Primer Coating (used in case of PVDF only)
  - Adhesive Film
  - Adhesive Film
  - Service Coating (Anti-corrosive)
- PVDF/Polyester Resin Based Coating.
  - Chromate Treated Aluminium Coil.
  - Polyethylene Core (LDPE)
  - Aluminium Coil.

### STANDARD PANEL DIMENSIONS

**Thickness:** 3mm, 4mm, and 6mm as per requirement.

**Special thickness and length available on request.**

**Standard Size:** 1220mm x 2440mm, 1220 x 3050mm, 1220 x 3660mm.

Product Tolerance	Width	Length	Thickness		Squareness	Bow
			Coil	Panel		
	+2.0mm	+4.0mm	+0.03mm	+0.2mm	Maximum 5.0mm	Maximum 0.5% of width and / or length

### PRODUCT CHART

Grades	Panel Thickness	Top Coil	LDPE Core Thickness	Bottom Coil	Top Coil Coating Thickness	Bottom Coil Coating Thickness	Use / Warranty
AL Ultra 1	4.00 mm	0.25 mm	3.50 mm	0.25 mm	26μ + 2	12μ + 2	Exterior / 12 years
AL Ultra 2	3.00 mm	0.25 mm	2.50 mm	0.25 mm	26μ + 2	12μ + 2	Exterior / 12 years
AL - RG 3	3.00 mm	0.18 mm	2.64 mm	0.18 mm	26μ + 2	10μ + 2	Exterior / 07 years

### ALUMINIUM COIL USED ARE OF ALLOYS 3003 – H16 AND 1100 ALLOYS H16

To avoid possible color difference, all the panels must be installed in the same direction as indicated by the arrow on the protection film.

Difference batches of products may have a color difference, so we recommend that you place a one-time order for each project to ensure that the color is same.

**Note: Custom colors & Grades Can be Produced**





## WOODLAND SERIES



Light Weight



Easy to install



Eco-friendly



Recyclable

## WOODLAND SERIES



AL TTS 401 | Burma Wood



AL TTS 402 | Oak Pine



AL TTS 403 | Royal Teak

● ACP-3mm ● ACP-4mm ● HPL-6mm

A wood finish Aluminum Composite Panel is a kind of panel which has various wood strips texture on its surface of the coating. It can bring in a stunning visual effect and is welcomed by most architectural designers. introduces it as WOODLAND Collection.





## WOODLAND SERIES



Cost-effective



Easy to install



Recyclable

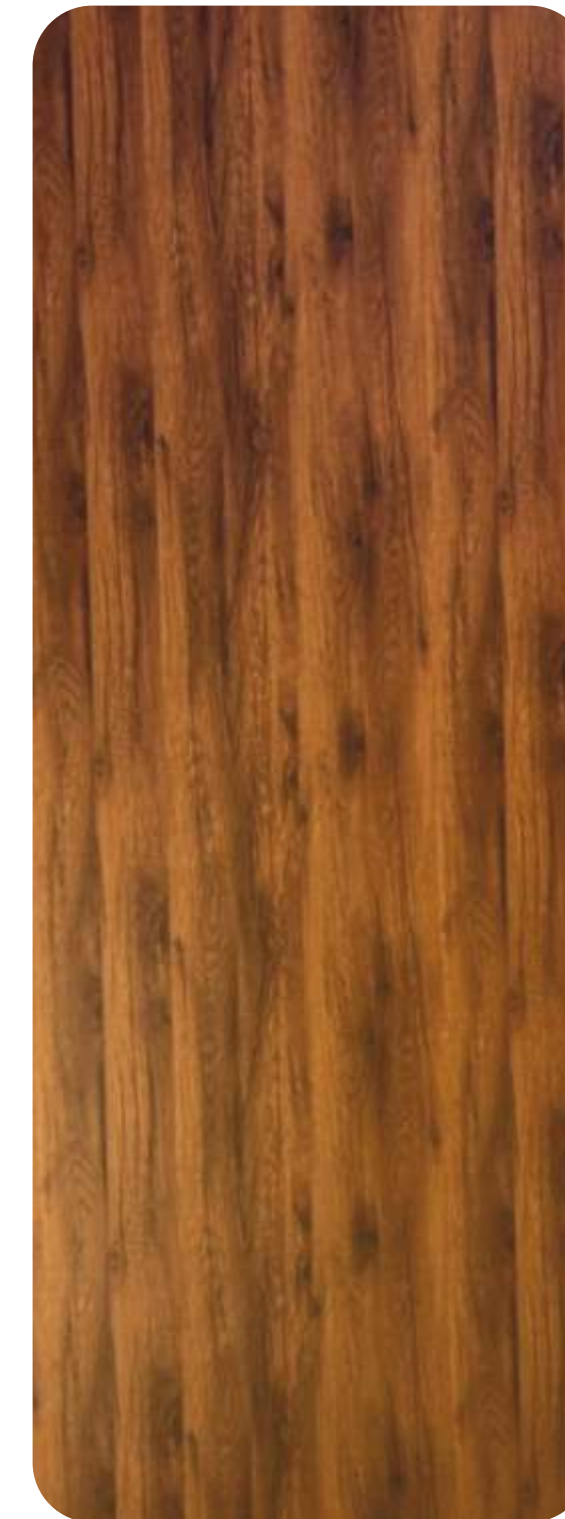


Light Weight

## WOODLAND SERIES



AL TTS 404 | Rose Wood



AL TTS 405 | Natural Teak



AL TTS 406 | Ebony

● ACP-3mm ● ACP-4mm ● HPL-6mm

A wood finish Aluminum Composite Panel is a kind of panel which has various wood strips texture on its surface of the coating. It can bring in a stunning visual effect and is welcomed by most architectural designers. introduces it as WOODLAND Collection.



## WOODLAND SERIES



Durable



Easy to install



Eco-friendly



Cost-effective

## WOODLAND SERIES



AL TTS 407 | Balinese Teak



AL TTS 408 | Golden Teak



AL TTS 409 | Dark Oak

● ACP-3mm ● ACP-4mm ● HPL-6mm

A wood finish Aluminum Composite Panel is a kind of panel which has various wood strips texture on its surface of the coating. It can bring in a stunning visual effect and is welcomed by most architectural designers. introduces it as WOODLAND Collection.





## WOODLAND SERIES



Light Weight



Durable



Eco-friendly



Flexible

## WOODLAND SERIES



AL TTS 410 | Natural Wood



AL TTS 411 | Walnut



AL TTS 412 | Dark Teak

● ACP-3mm ● ACP-4mm ● HPL-6mm

A wood finish Aluminum Composite Panel is a kind of panel which has various wood strips texture on its surface of the coating. It can bring in a stunning visual effect and is welcomed by most architectural designers. introduces it as WOODLAND Collection.





## MARBLE SERIES



Eco-friendly



Flexible



Light Weight

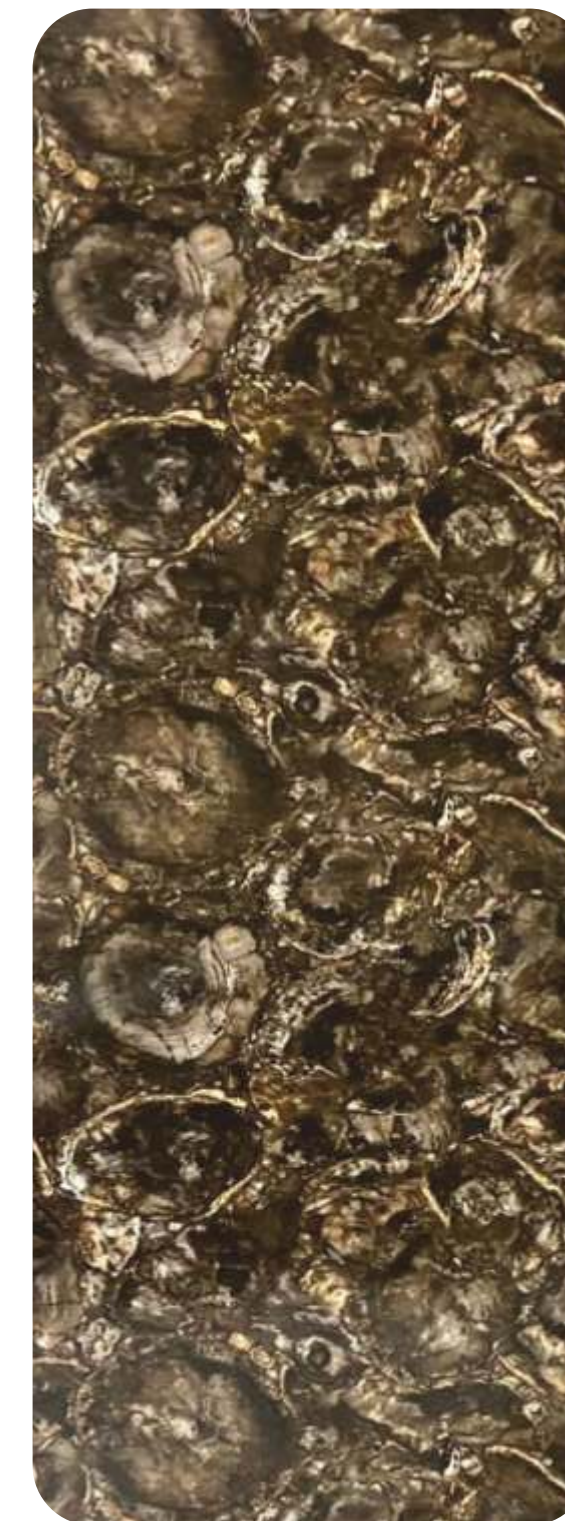


Cost-effective

## MARBLE SERIES



AL MS 237 | Onyx Black



AL MS 239 | Rusty Brown



AL MS 241 | Velvet Chocolate

● ACP-3mm ● ACP-4mm ● HPL-6mm

Alcon Marble Finish Aluminum Panel gives a realistic effect of marble with its lightweight and easy implementation characteristics. Marble Finish Aluminium panel sheets are widely used for the transformation of interior walls, ceilings, bathrooms, kitchens, and balconies etc..





MARBLE SERIES



Light Weight



Easy to install



Eco-friendly



Print Compatibility

MARBLE SERIES



AL MS 240 | Satvario



Upcoming

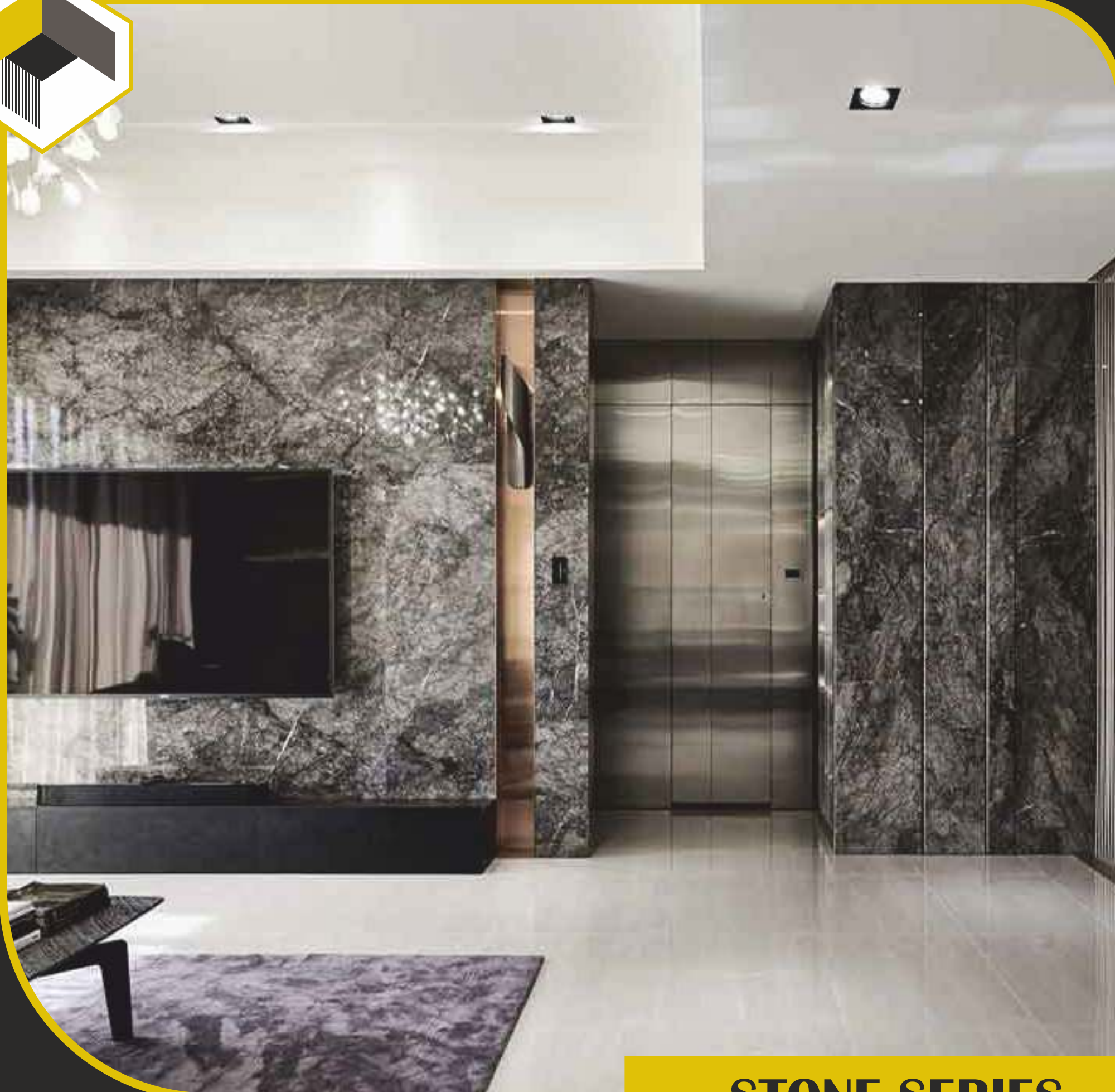


Upcoming

● ACP-3mm ● ACP-4mm ● HPL-6mm

Alcon Marble Finish Aluminum Panel gives a realistic effect of marble with its lightweight and easy implementation characteristics. Marble Finish Aluminium panel sheets are widely used for the transformation of interior walls, ceilings, bathrooms, kitchens, and balconies etc..





## STONE SERIES



Recyclable



Easy to install

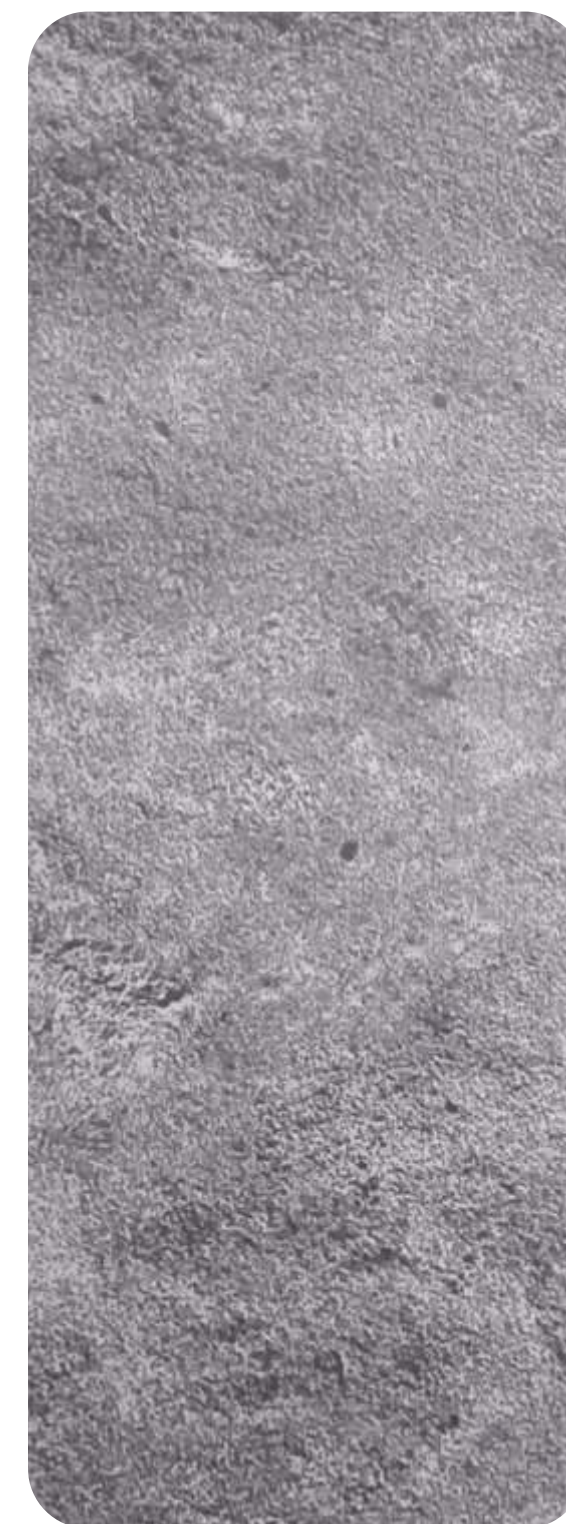


Eco-friendly



PVDF Coated

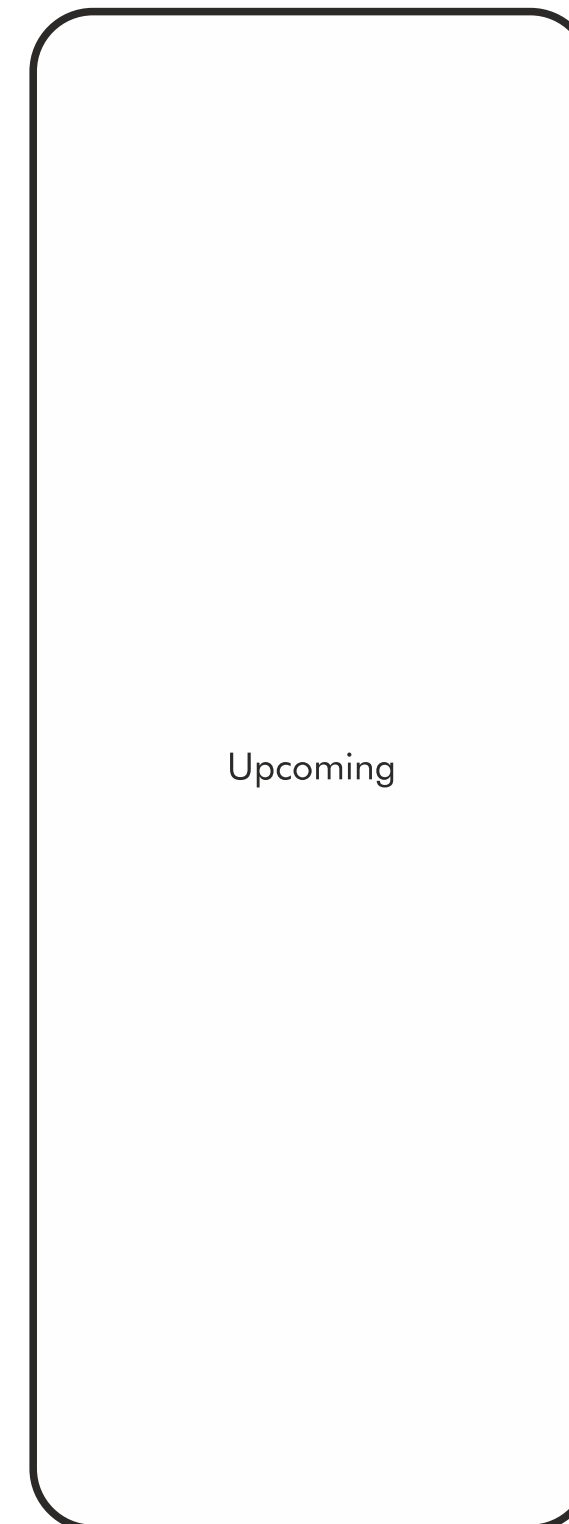
## STONE SERIES



AL PS 601 | Graphite Stone



AL PS 602 | Copper Stone



Upcoming

● ACP-3mm ● ACP-4mm ● HPL-6mm

Alcon Stone Finish Aluminum Panel gives a realistic effect of stone with its lightweight and easy implementation characteristics. Stone Finish Aluminium panel sheets are widely used for the transformation of interior walls, ceilings, bathrooms, kitchens, and balconies etc..





## DAZZLING & SILKY SHINE SERIES



Easy to install



Light Weight



Eco-friendly



Flexible

## DAZZLING SERIES



AL MS 201  
Cloudy Silver



AL MS 202  
Street Grey



AL MS 205  
Rose Gold



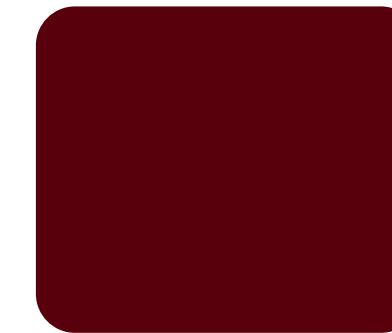
AL MS 203  
Antique Copper



AL MS 206  
Pearl Copper



AL MS 207  
Magic Gold

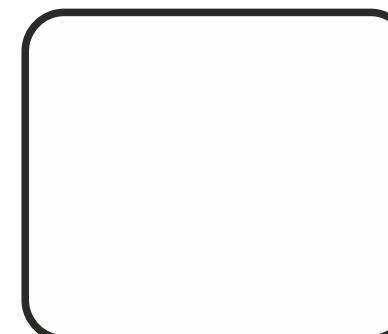


AL MS 204  
Fire Cracker Red



Upcoming

## SILKY SHINE SERIES



AL GS 301  
Happy White



AL GS 302  
Coral Red



AL GS 303  
Glossy Lava



Upcoming

● ACP-3mm ● ACP-4mm ● HPL-6mm

It is one of the most elegant series of Aluminum Composite Sheets, it comes with a stylish metallic finish that imparts lustrous and adds distinction to your building. *Silky Shine Series*: Alcon's high gloss aluminum panels are favored by designers for their sleek look. Perfect for advertising boards, they are durable, waterproof, and self-cleaning.





## MIRROR SERIES



Recyclable



Easy to install



Durable



Print Compatibility

## MIRROR SERIES



AL RS 501 | Silver Mirror



AL RS 502 | Gold Mirror



Upcoming

● ACP-3mm ● ACP-4mm ● HPL-6mm

The Alcon Mirror Series is a highly versatile choice in aluminum panels, ideal for both residential and commercial projects. This collection not only provides a sophisticated, reflective finish but also enhances the aesthetics of any space. Its durable, mirror finish adds a sleek, modern touch to both exteriors and interiors, ensuring both style and longevity.





## FROZEN SERIES



Light Weight



Easy to install

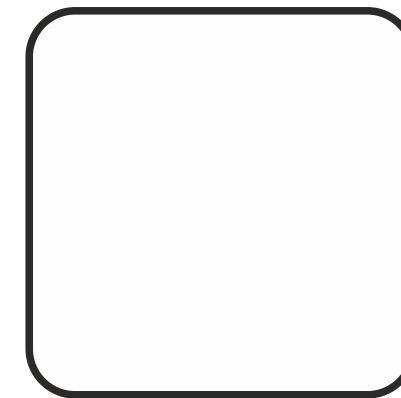


Eco-friendly

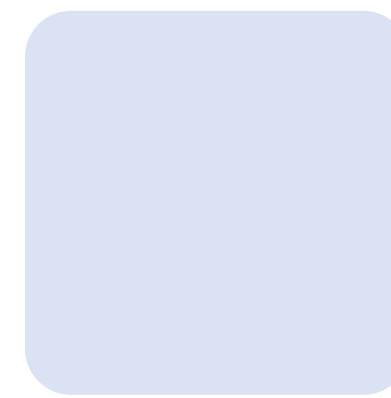


Print Compatibility

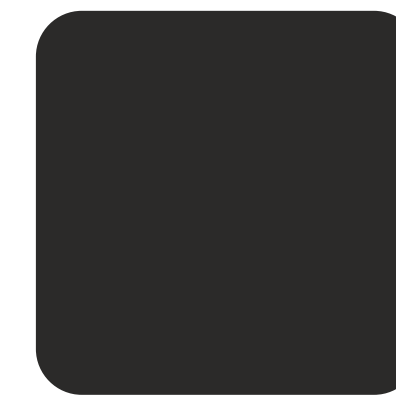
## FROZEN SERIES



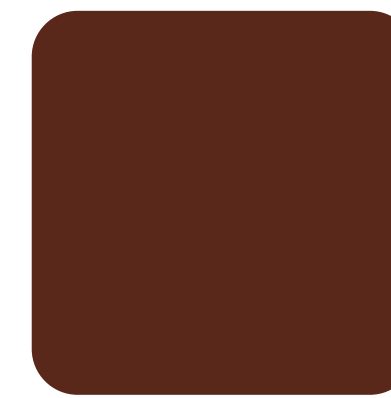
AL SS 101  
Bone White



AL SS 102  
Porcelain White



AL SS 104  
Tricon Black



AL SS 105  
Sienna Brown



AL SS 107  
Butter Yellow



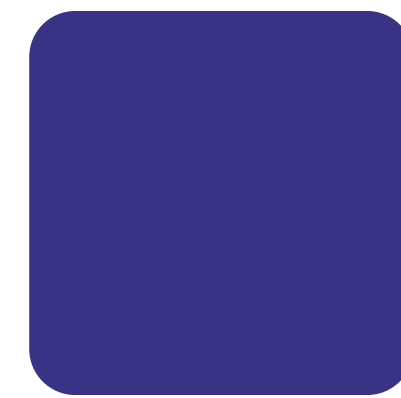
AL SS 108  
Marigold Orange



AL SS 109  
Stone Grey



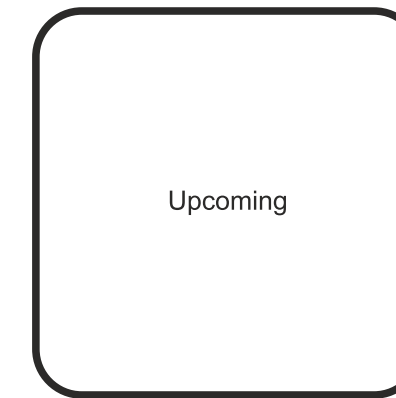
AL SS 103  
Ruby Red



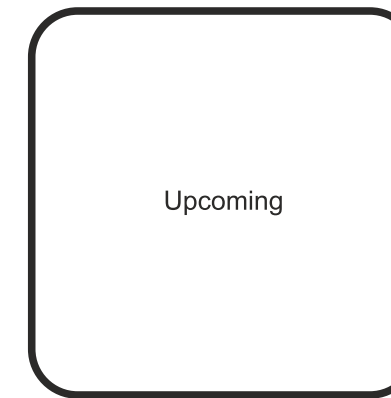
AL SS 106  
Azure Blue



AL SS 110  
Indian Green



Upcoming



Upcoming

● ACP-3mm ● ACP-4mm ● HPL-6mm

This series by Alcon is the most versatile collection among Solid Finish Aluminum Panel, widely used for various residential and commercial projects. They don't just give a rich look but also a superior touch to the exteriors & interiors of the building. Due to its long-lasting and durable solid finish features in Aluminum Panel.





## FR - ACP SERIES



PVDF Coated



Eco-friendly



Easy to install



Durable

## FR - ACP SERIES



AL MS 201 | Cloudy Silver



AL MS 202 | Street Grey



AL GS 301 | Happy White

● ACP-3mm ● ACP-4mm ● HPL-6mm

It is one of the most elegant series of Aluminum Composite Sheets, it comes with a stylish metallic finish that imparts lustrous and adds distinction to your building.





## APP - PLAIN & WOODEN



Eco-friendly



Flexible



Light Weight



Cost-effective

## APP - PLAIN



AL SS 101 | Bone White



AL SS 102 | Porcelain White (Ivory)



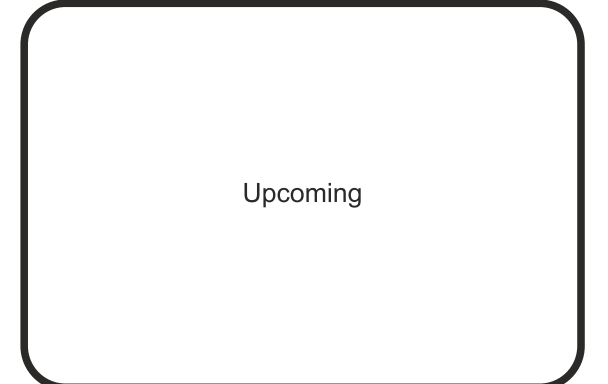
AL SS 105 | Sienna Brown



AL MS 201 | Cloudy Silver



AL SS 104 | Tricon Black



Upcoming

## APP - WOODEN



AL TTS 404 | Rose Wood



AL TTS 405 | Natural Teak



AL TTS 402 | Oak Pine





## ACP LOUVERS



Light Weight



Easy to install



Eco-friendly



Print Compatibility

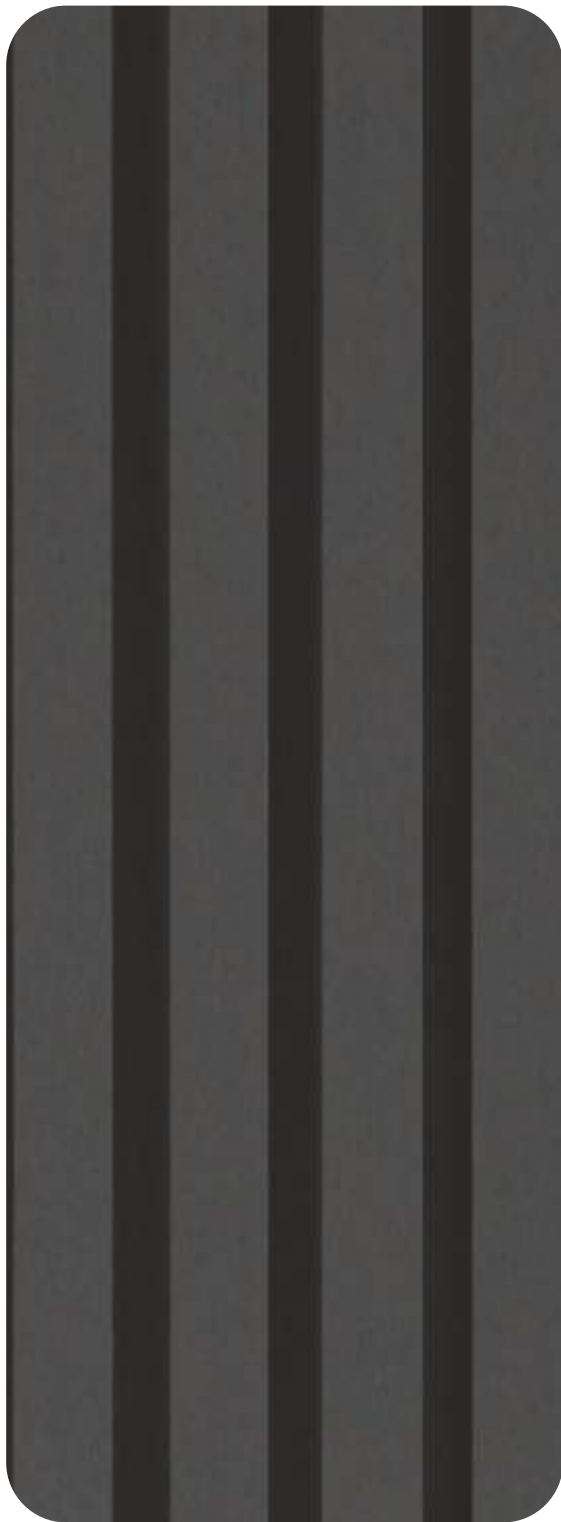
## ACP LOUVERS



AL TTS 402 | Oak Pine



AL TTS 405 | Natural Teak



AL MS 202 | Street Grey

The ACP Louvers series by Alcon offers exceptional versatility for residential and commercial use. These panels feature a sleek, modern design that enhances both exteriors and interiors. Their durable, high-quality finish provides both a stylish appearance and long-lasting performance, making them an ideal choice for various architectural applications.



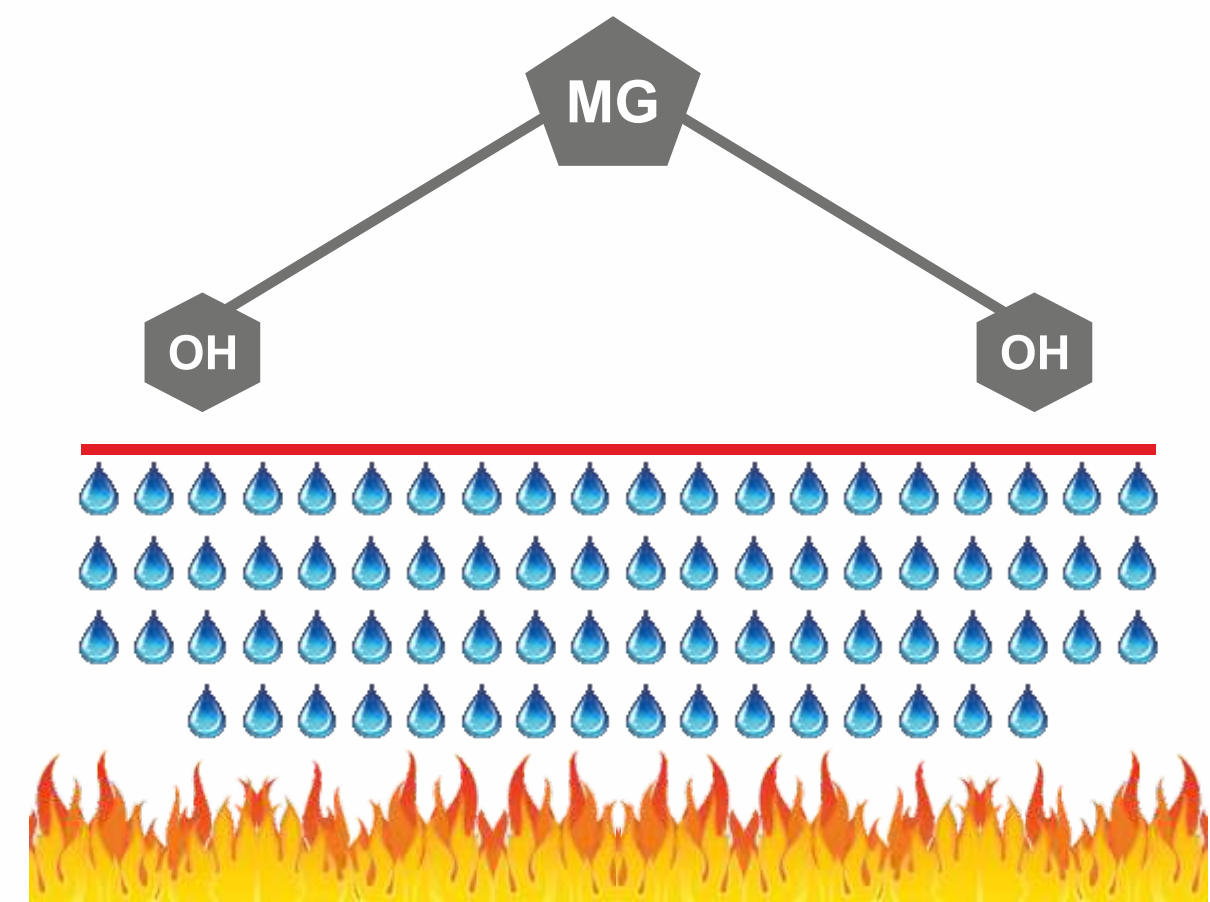
The Core Secret

FR Core is a non-halogenated FR material that produces water vapor when it heats up. It does not produce toxic gases like the Halogenated materials.

Magnesium hydroxide (MDH) is the non-halogenated material that is mixed with PE to form the core of Alcon’s FR products. MDH has a better fire-resistance performance than aluminum trihydrate (ATH), the other non-halogenated material, owing to higher decomposition temperature.

Furthermore MDH is more environment-friendly than other similar material.

MDH delays the PE transformation from solid to plastic (the point of ignition up to 360°C, by releasing water molecules and bringing down the temperature continuously.



Heated MDH releases water molecules that lower the temperature

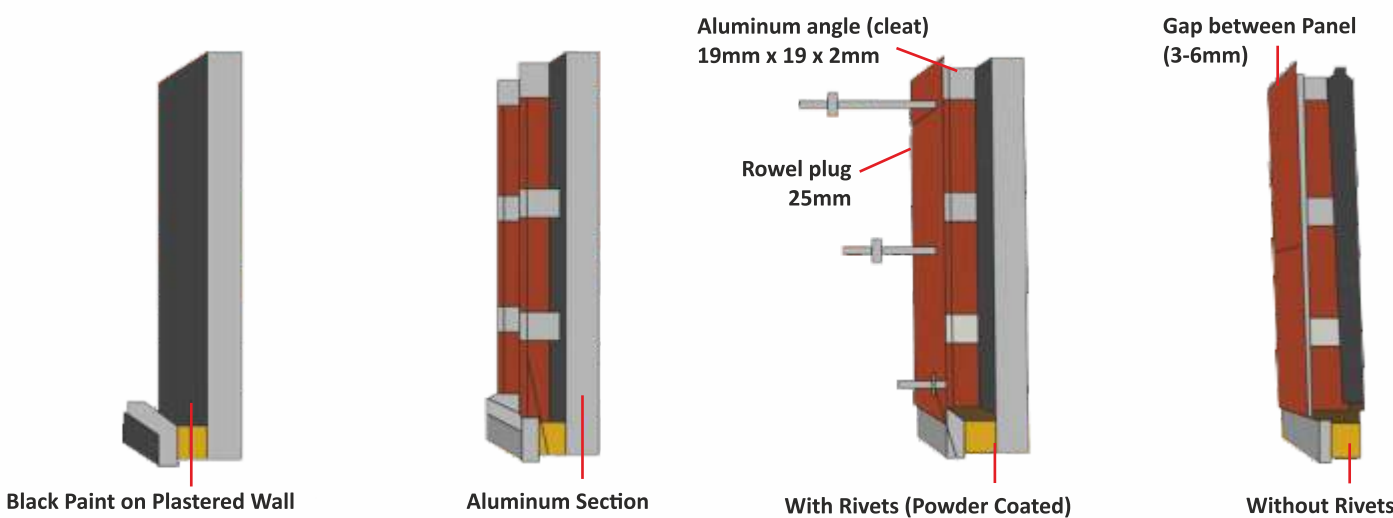
Basic Chemical reaction of the FR core

Core Details	Polyethylene	Magnesium Hydroxide (MDH)	Aluminum trihydrate (ATH)
Chemical reaction	$\text{CH}_2 + \text{O}_2 = \text{CO}_2 + \text{H}_2\text{O}$	$\text{Mg}(\text{OH})_2 = \text{MgO} + \text{H}_2\text{O}$	$2\text{Al}(\text{OH})_3 = \text{Al}_2\text{O}_3 + 3\text{H}_2\text{O}$
Decomposition temperature	90°C to 110°C	310°C to 360°C	190°C to 240°C
Status	Heat generation	Heat absorption	Heat absorption

HPL Series

It is here that ALCON brought forward AHPL, which is an Aluminum based High Pressure Laminate (HPL). It is more durable and elegant in looks as compared to wood. It is also highly weather resistance. AHPL has overcome the shortcomings of wood as it is manufactured using aluminum coil with layered Lumiflon coating that is resistant to dust. It has a polyethylene core that makes it resistant to water, fungus and termite.

To top it is ALCON HPL comes in variety of colors, texture and size. ALCON also offer customized colors and sizes. AHPL has redefined the concept of high-end facades and exterior. ALCON offer professional service as it has a robust marketing network in India and abroad. Whether it is Villas, Housing Societies, Corporate Buildings or Resorts, AHPL is a perfect coil in place of wood.



Oak Pine | AL TTS 402

Fixing Detail (with Rivets)

- Black Paint on Plastered Wall.
- Fix aluminium section on wall, maintain gap of 400 – 700 mm center with help of cleat vertically.
- Pilot hole must be pre-drilled before fastening rivets tight.
- Size of rivets must be three times the thickness of panel and gouge of aluminium.
- Ensure rivets used are fully threaded.

NOTE: ALL WOOD SERIES, SOLID, MATALLIC CODES CAN BE MADE IN HPL