



# EXTERIOR WALL CLADDING HPL

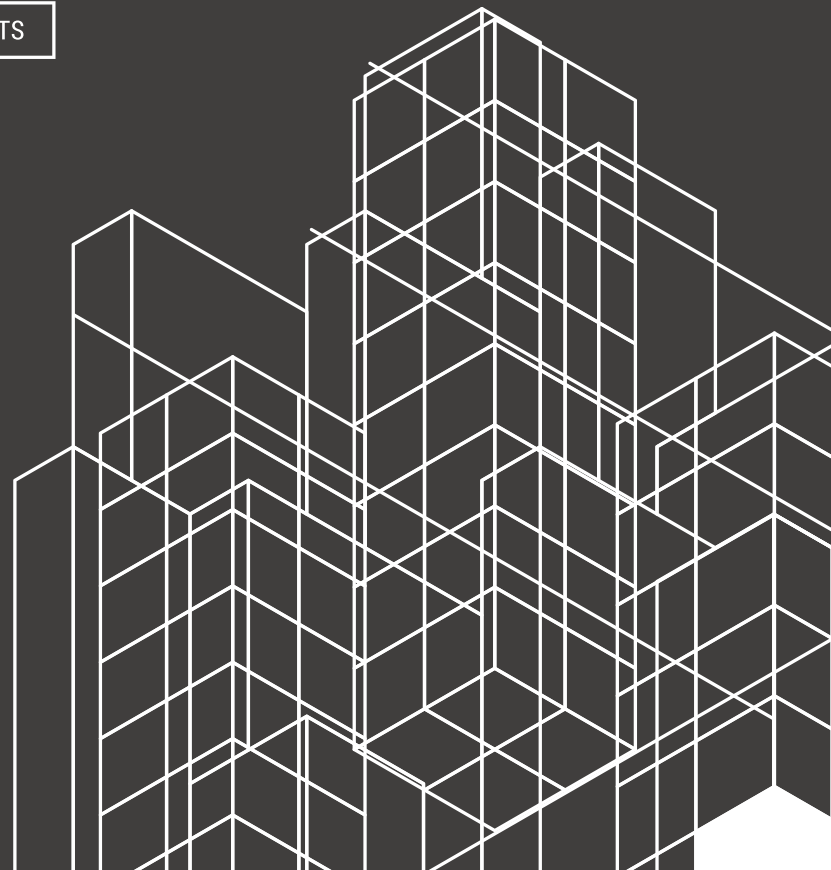
by



Decorating  
India

ISO 9001, 14001 & 45001 CERTIFIED COMPANY PRODUCTS

**6MM LAMINATES**  
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# THE DECORATIVE STORY

Dear customer, it's our privilege that you have selected advance laminates for your surface decoration requirement. We have over 300 options in various finishes for your residential & commercial spaces be it your drawing room, bedroom, kitchen, wardrobe, office or showroom, we have everything for all needs. Utmost care has been provided while manufacturing each & every sheet because we understand the emotion of the end users while selecting the design. This presentation also has QR codes given with each design if you wish to see the full sheet view of any design. Also we have given an application book that will help you while selecting the designs according to a particular application.

HAPPY DESIGNING!



## SURFACING SOLUTION for **EXTERIOR** Endless Possibilities with High pressure Laminates for exterior wall cladding.

ADVANCE EWC is a laminated panel for exteriors that requires zero maintenance. The panels combine the virtues of wood, its natural warmth and beauty, with technical requirements to ensure optimum performance on exteriors over time. ADVANCE EWC can be installed as a ventilated facade by way of overlapping slats, on false ceilings and on curved walls.

Make a great impression of your building's exterior. Don't leave any surface unattended. Our high-pressure exterior grade wall cladding panels ensure design flexibility and offer the durability you need for exterior designs.

When it comes to designing for an exterior, high-quality is a prerequisite. You want a decorative facade that can meet extreme requirements.

With ADVANCE EWC, you can also gain the peace of mind that you're working with a sustainability company.




# BIGGEST NETWORK OF PROFESSIONALS

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CARPENTERS  
RECOMMENDATION



**54965+**  
DEALERS




**143+**  
DISTRIBUTORS



**75+ MILLION**  
SHEETS USED

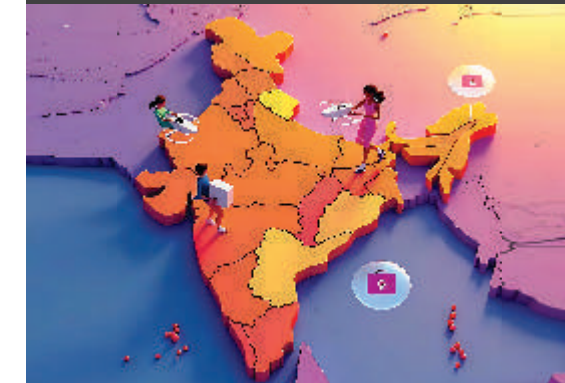
BY  
CONSUMERS  
TILL 30th  
JUNE  
2025



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STATES



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A Digital Folder  
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SPECIAL FOLDER  
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Application



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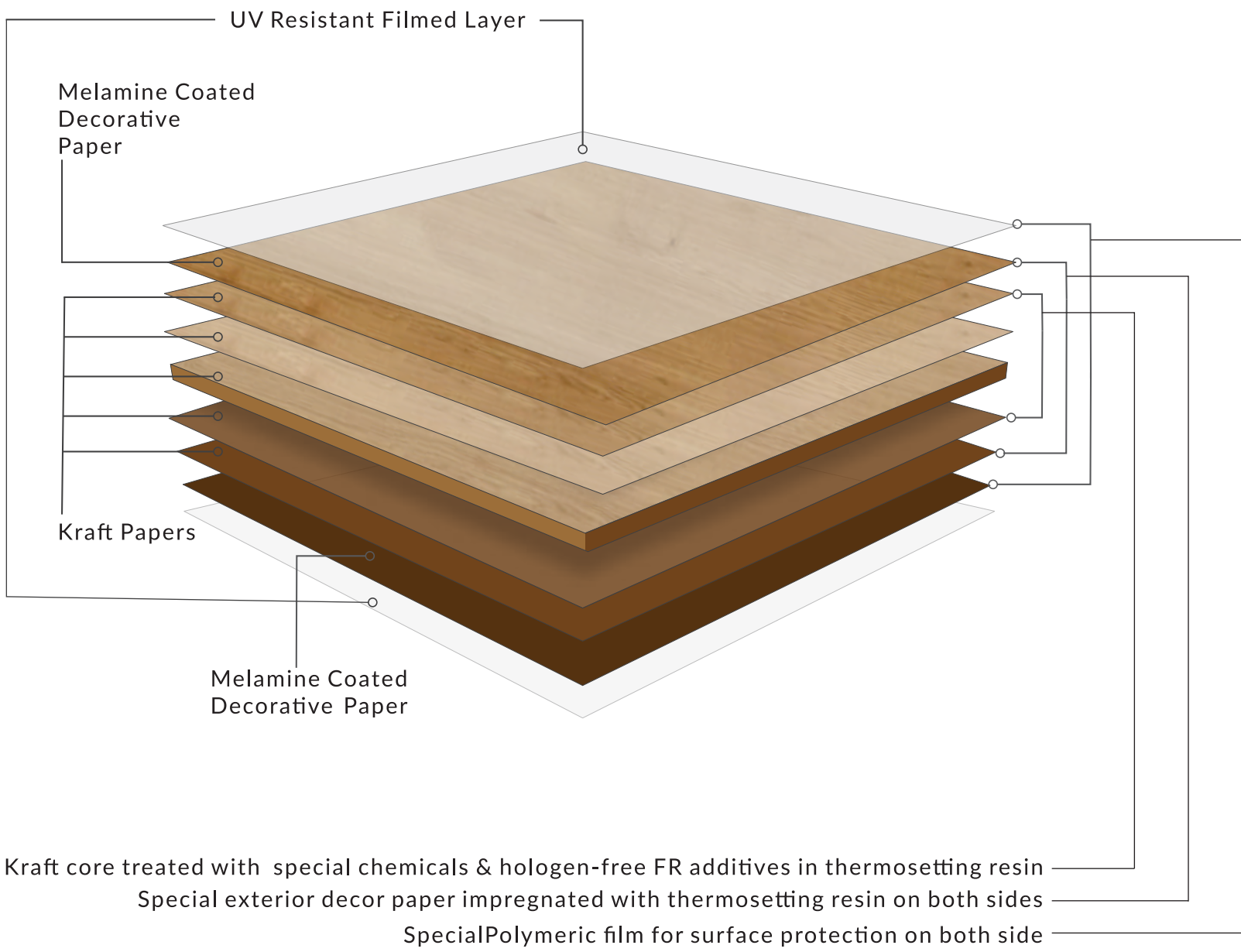
A Exterior  
Wall Cladding  
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of ADVANCE  
is also available  
in PDF format





# PRODUCT DESCRIPTION

**ADVANCE EWC (HPL)** is made with special type of synthetic polymers with UV resistant filmed layer that provides superior weather ability, excellent UV-absorbance and heat resistant performance.



SAY "HI" & GET THE E-CATALOGUE OR MORE



+91 88000 91181

SCAN QR

# UNMATCHED FEATURES

11 years warranty

 <p>FIRE RETARDANT</p>	 <p>ANTI-DUST</p>	 <p>TERMITE RESISTANT</p>	 <p>ENERGY EFFICIENT</p>
 <p>CHEMICAL RESISTANT</p>	 <p>MATCHING RIVETS</p>	 <p>MOISTURE RESISTANT</p>	 <p>ACOUSTIC RESISTANCE</p>
 <p>ENVIRONMENT FRIENDLY</p>	 <p>RESISTANCE TO ACID RAINS</p>	 <p>ANTI-BACTERIAL &amp; ANTI-FUNGAL</p>	 <p>EXCELLENT ANTI-GRAFFITI</p>
 <p>CAN WITHSTAND EXTREME TEMP. CONDITIONS FROM -60OC TO +80OC</p>		 <p>SUPERIOR LIGHT FASTNESS PERFORMANCE (UV RESISTANCE)</p>	

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# EXPLORE The HPL on exterior

A wonderful product with multiple possibilities of cladding.

with **ADVANCE HPL** you can decorate your external wall surface and protect it against heat, rain dust. **ADVANCE HPL** not only beautify the external wall but also protect it to save energy. You can use it on external surface of your exterior.

## Areas of use in exterior wall cladding:



BALCONY CLADDING



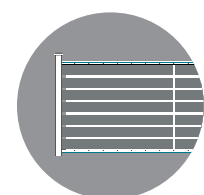
HIGHLIGHTER



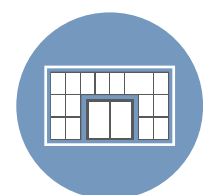
CEILINGS



PILLARS



DOORS



VENTILATED FACADES



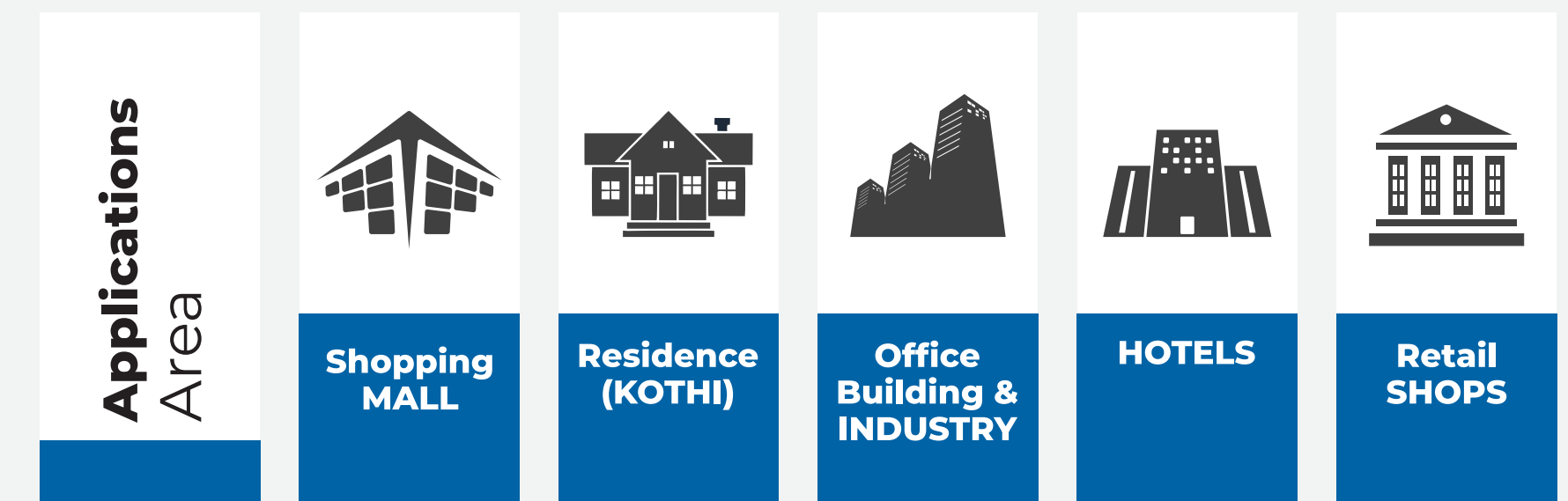
Apart from above motioned areas it can also be used as following

- Partitions
- Railings
- Fences
- Outdoor Furniture
- Public Facilities
- Playground Facilities
- Sports Facilities
- Sun Protection System
- Office Entry Portals
- Windows



# MULTIPLE APPLICATION POSSIBILITIES

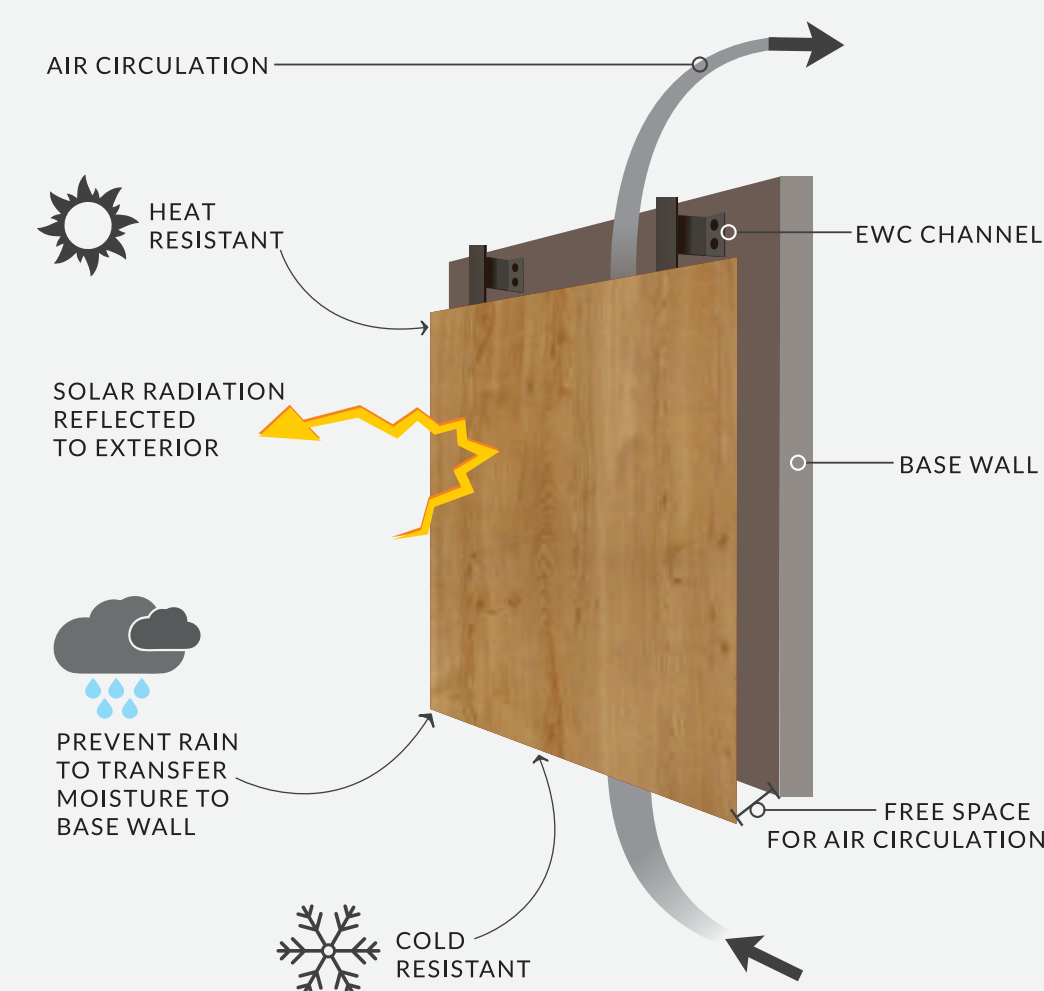
**Advance HPL** is versatile panel it can be used at all type of buildings. It is most suited at the following application areas:



## Applications Places

- Residence (Kothis) - Shopping Malls - Hotels Motels Residence (High Rise Apartments)
- Industries - Office Buildings - Retail Shops - Airport Terminals & many more...

# ADVANCE HPL CONSTRUCTION



NOT ONLY BEAUTIFY BUT ALSO KEEPS EXTERNAL WALL COOL THUS PREVENT EXTERNAL HEAT TO COME INSIDE. ADVANCE EWC PREVENT DIRECT HEAT TO FALL ON BASE WALL THAT PROVIDES MORE COMFORTABLE ENVIRONMENT & SAVES THE SIGNIFICANT ENERGY.



GRENADA PINE 6107 SF



TABLILLA SLOT 6151 SF PG@12



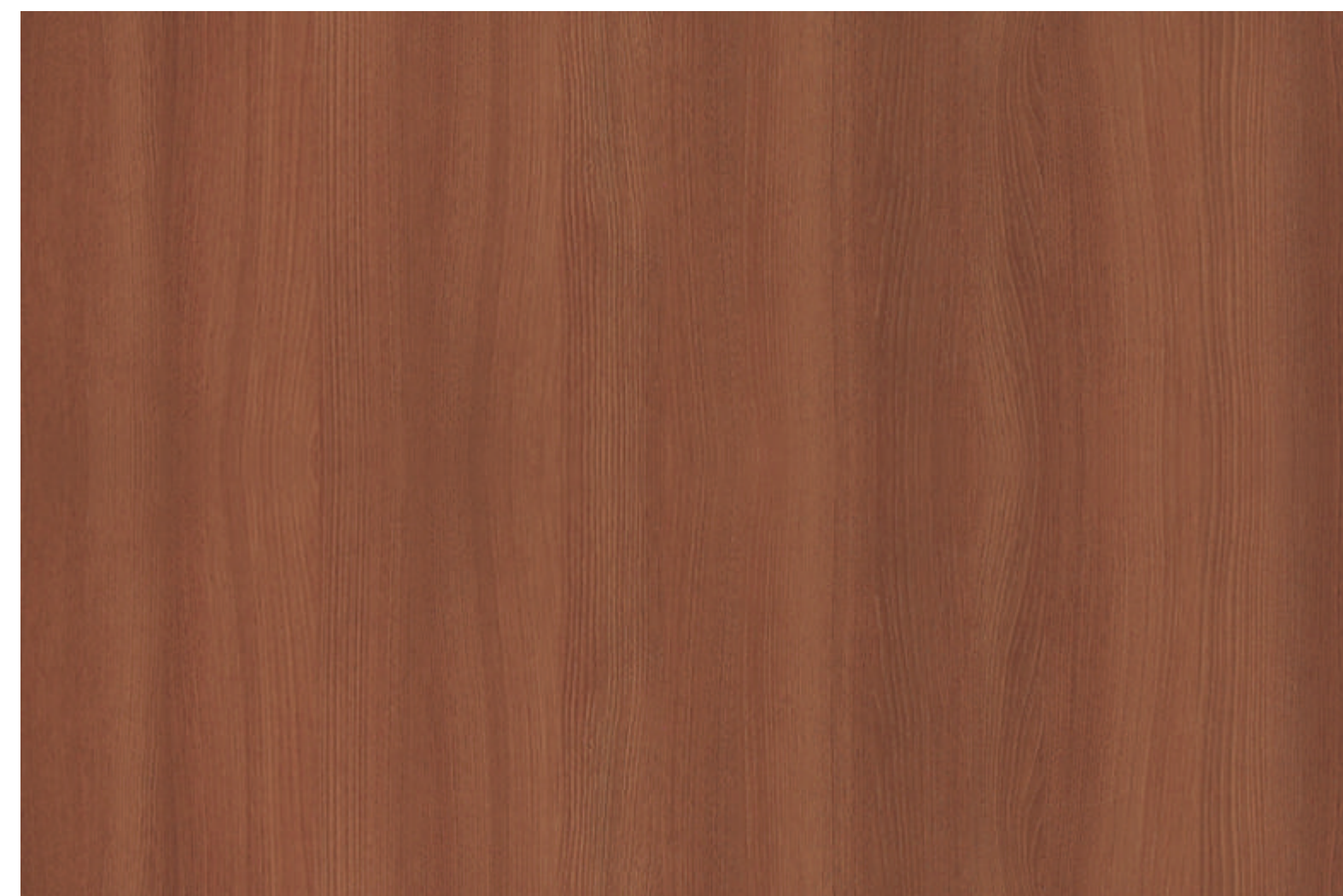
EWC  
exterior  
wall  
cladding



6107 SF GRENADA PINE







8030 SF ELYSIAN WOOD



6151 SF TABLILLA SLOT

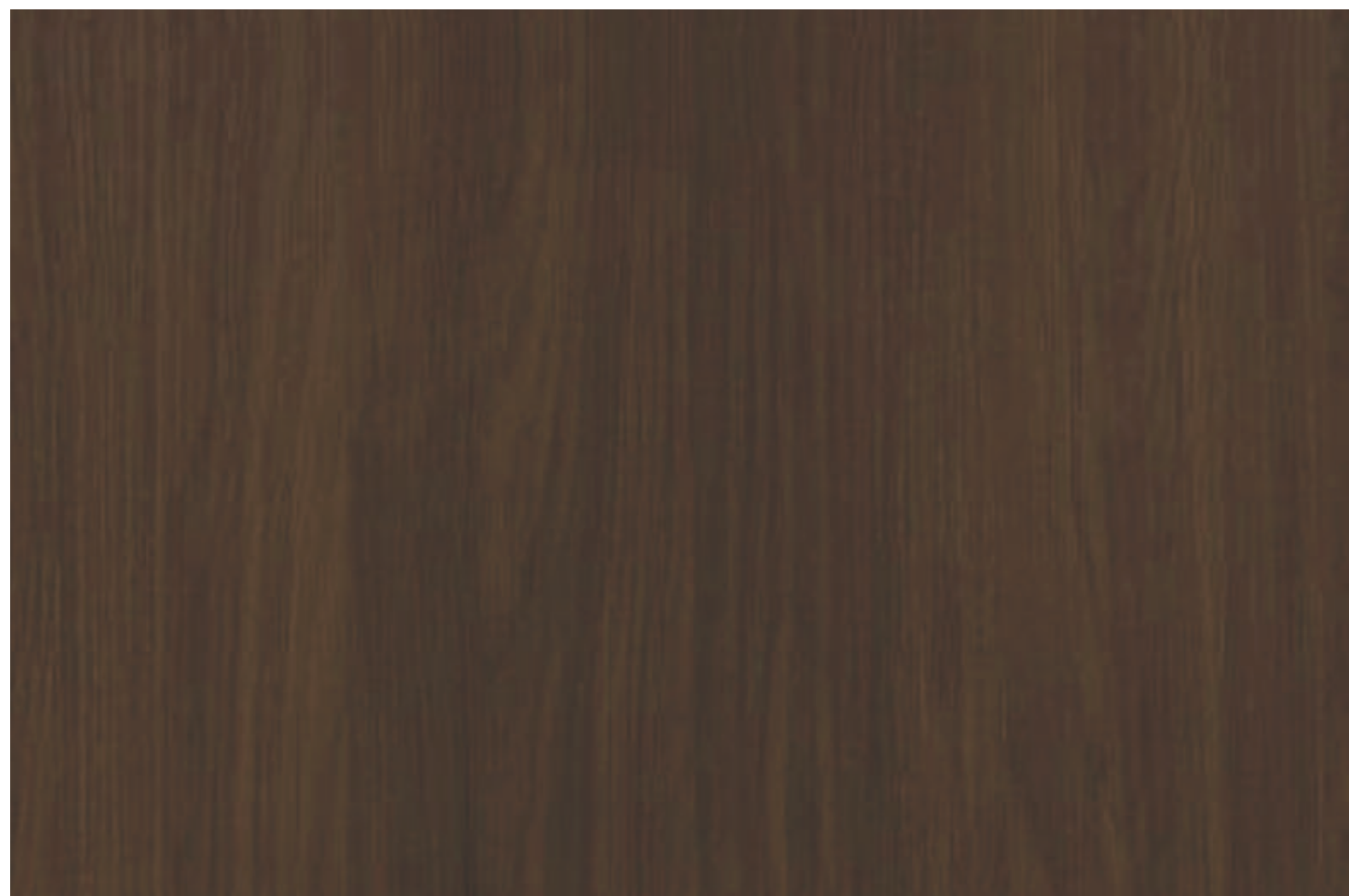






NEW

6162 SF LIGHT CLIFTON WALNUT



NEW

6164 SF DARK CLIFTON WALNUT



LIGHT CLIFTON WALNUT  
6162 SF

CLIFTON WALNUT  
6163 SF PG@18







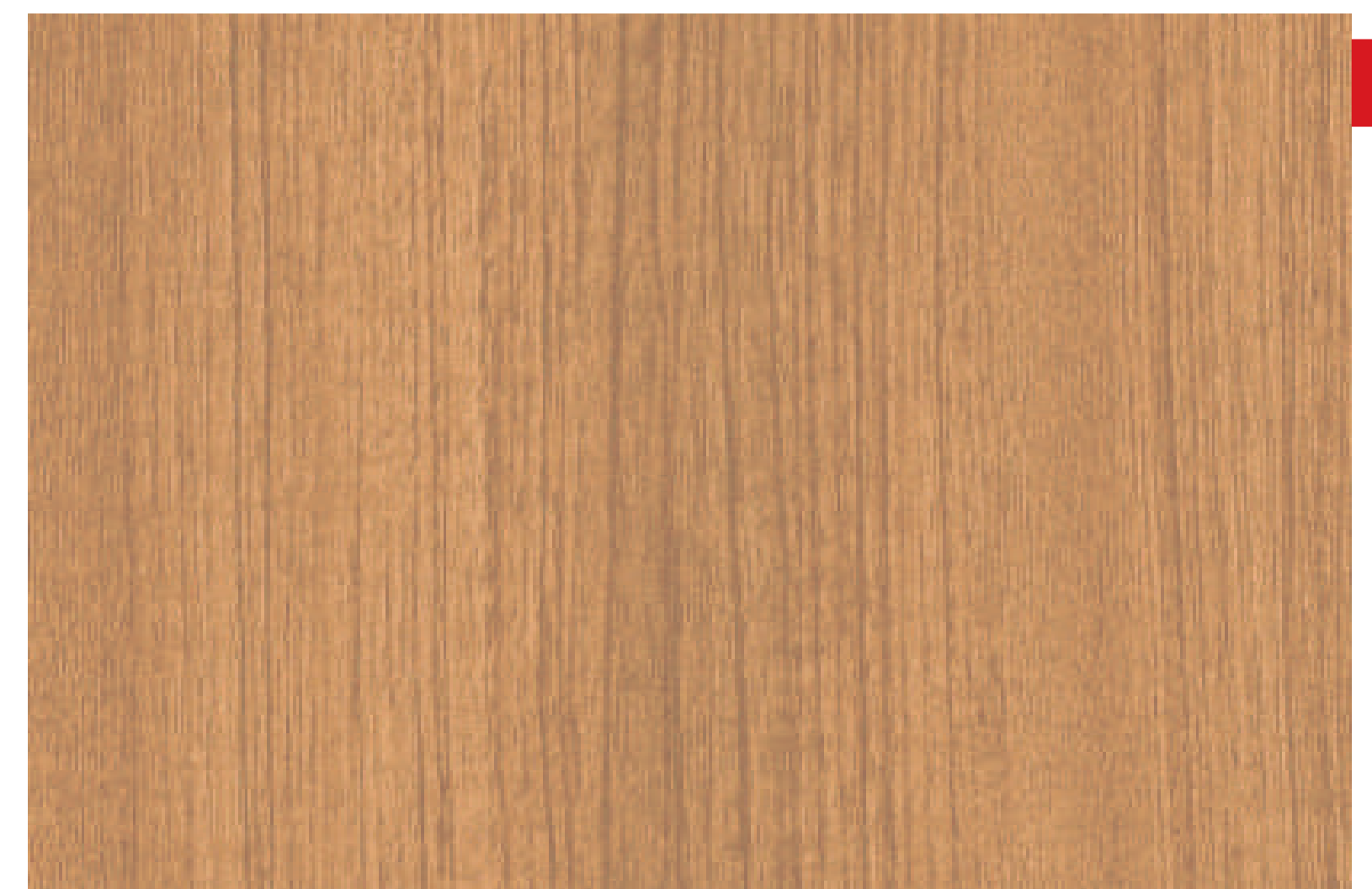
6109 SF CANYON MOUNTAIN WALNUT







TECTONE  
TEAK 6166 SF



NEW

6166 SF TECTONE TEAK



NEW

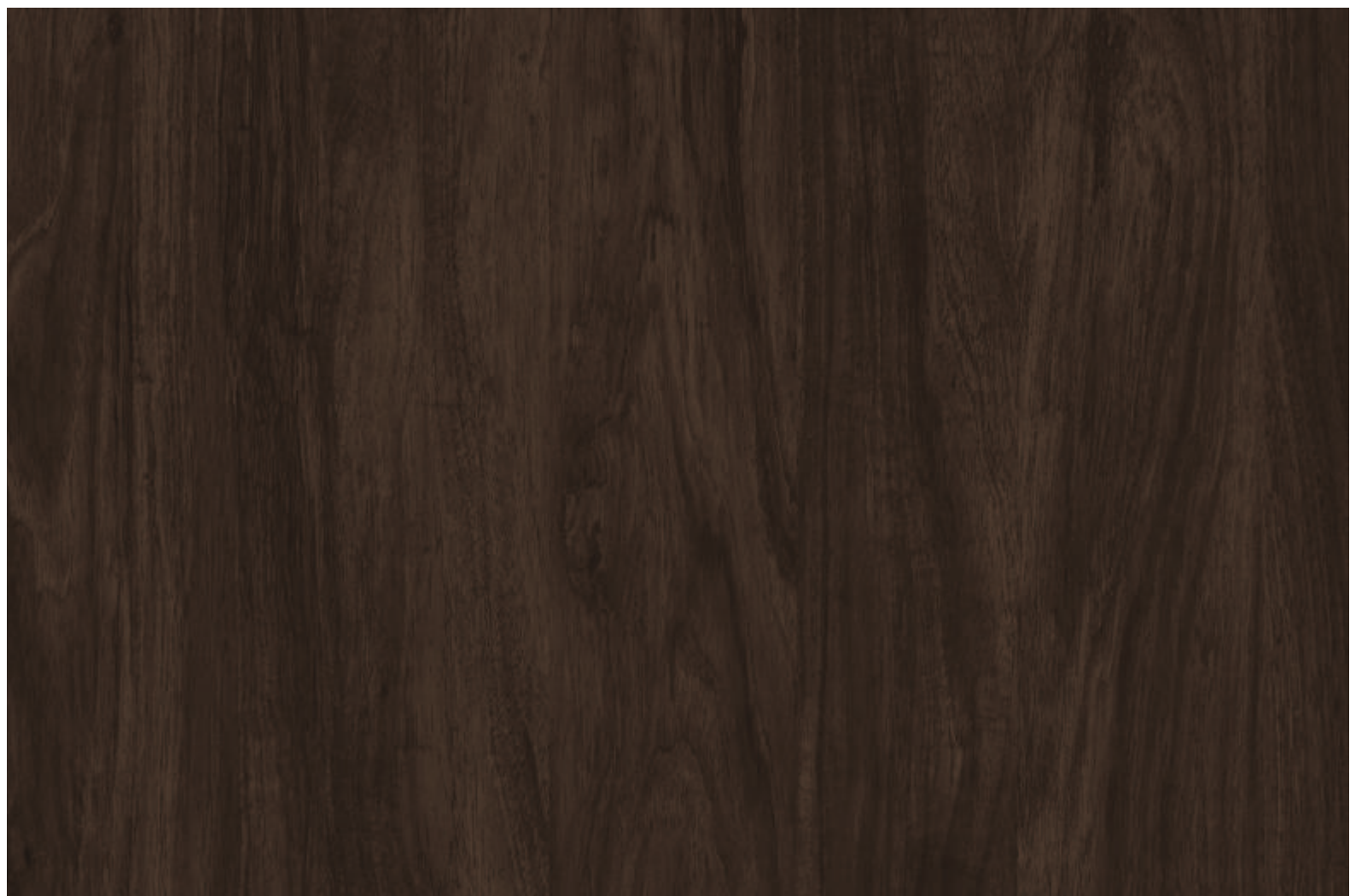
6163 SF CLIFTON WALNUT







6104 SF JACKSON HICKORY



6111 SF BENGALI MANGO



EWC  
exterior  
wall  
cladding



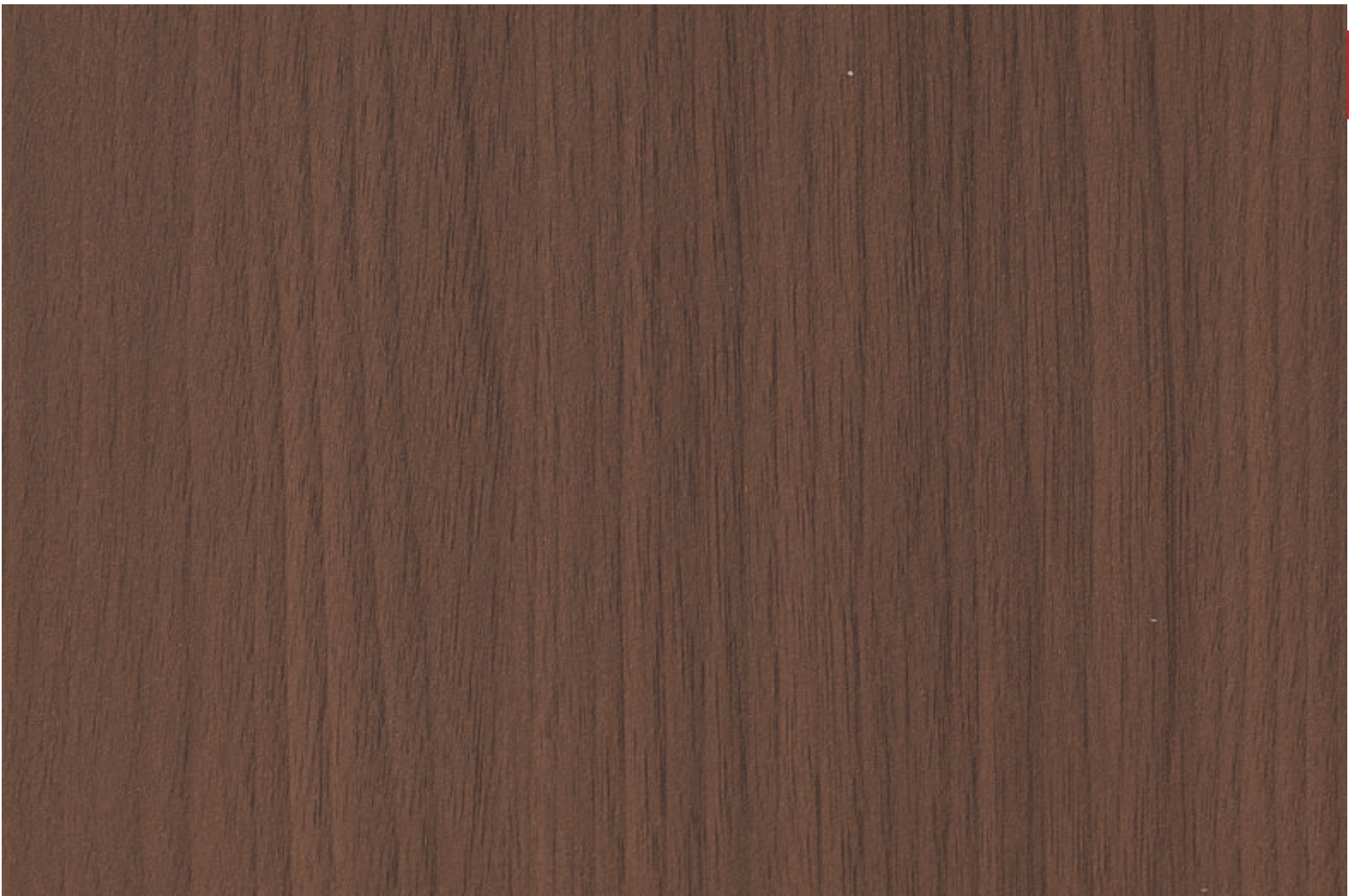
JACKSON  
HICKORY  
6104 SF





DARK ACERO WALNUT  
 8016 SF

**EWC**  
 exterior  
 wall  
 cladding



NEW

8016 SF DARK ACERO WALNUT



NEW

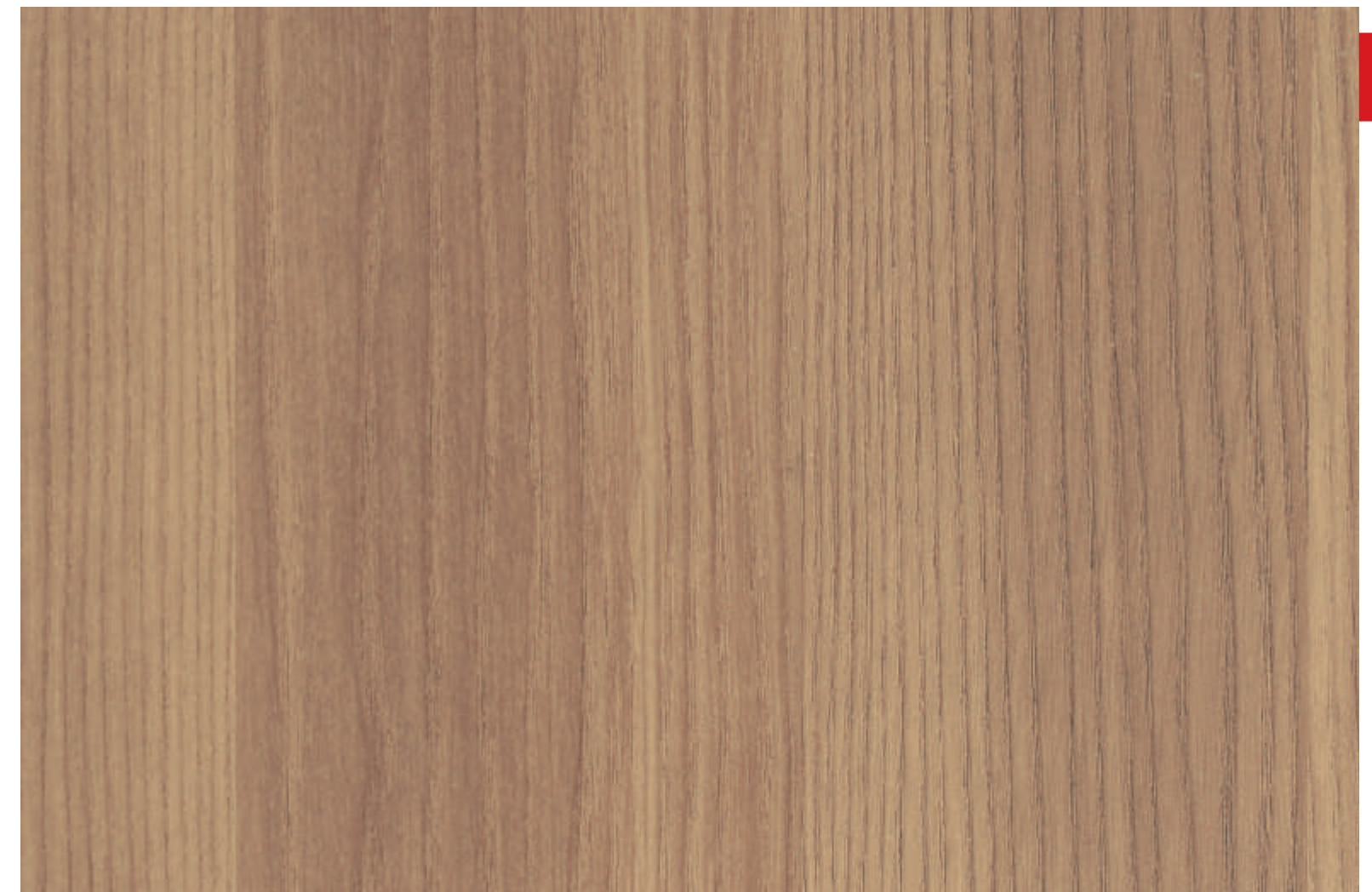
8012 SF COLUMBIAN WALNUT





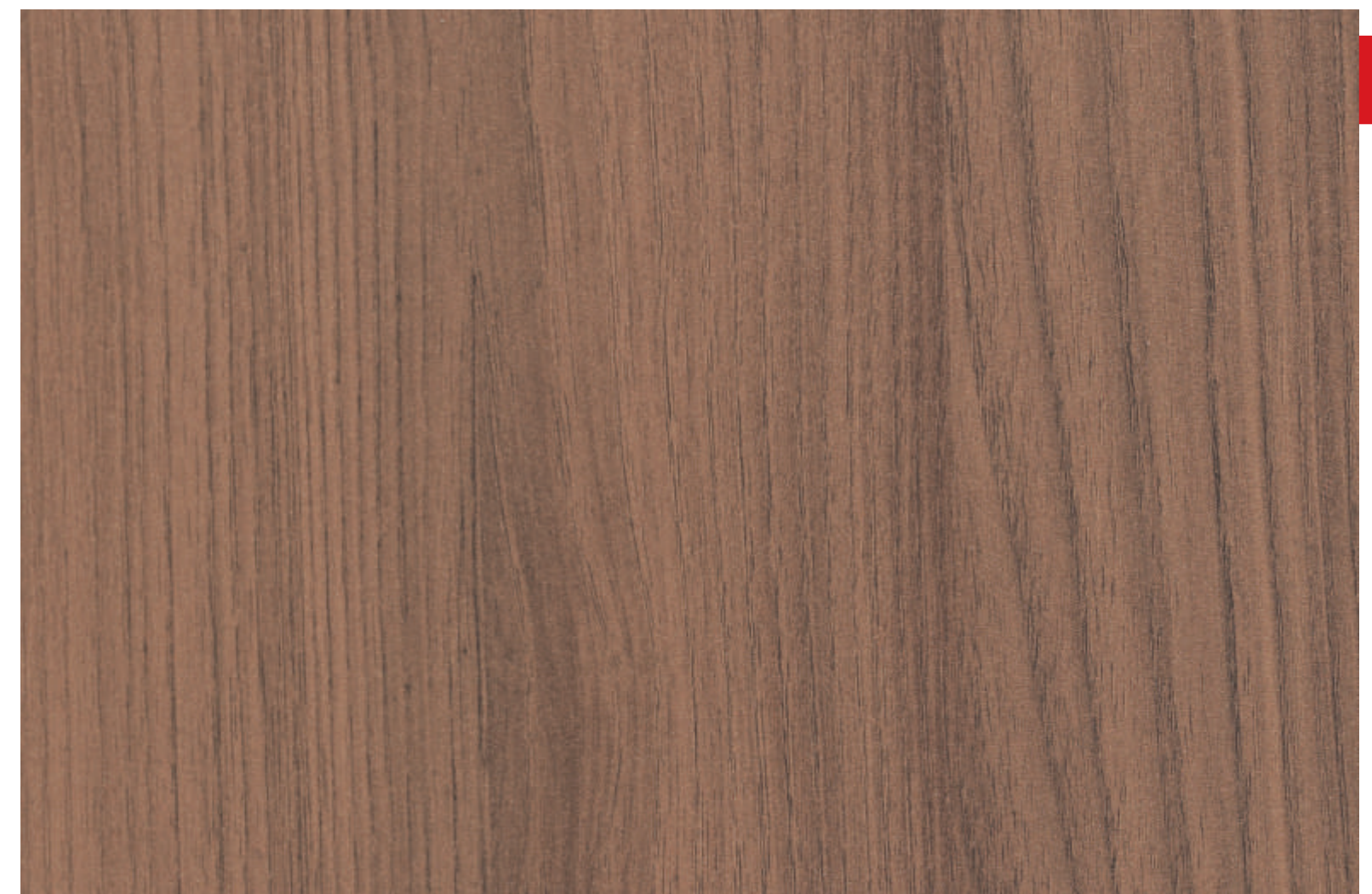
DARK MALMO WALNUT 8021 SF

**EWC**  
 exterior  
 wall  
 cladding



NEW

8018 SF DARK URBAN TEAK



NEW

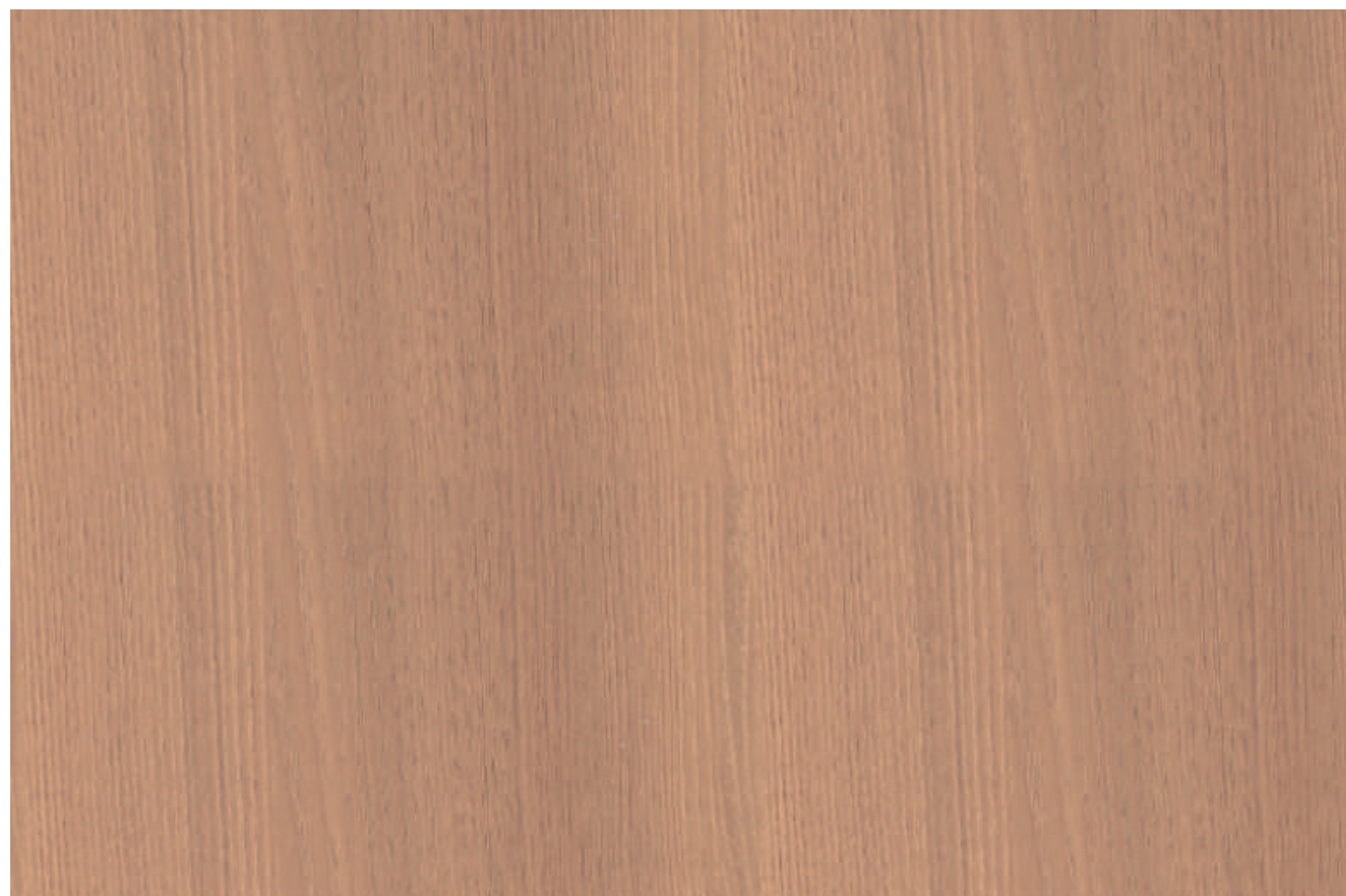
8021 SF DARK MALMO WALNUT







6145 SF SHIELD STONE



8017 SF ASCONA CHESTNUT



NEW

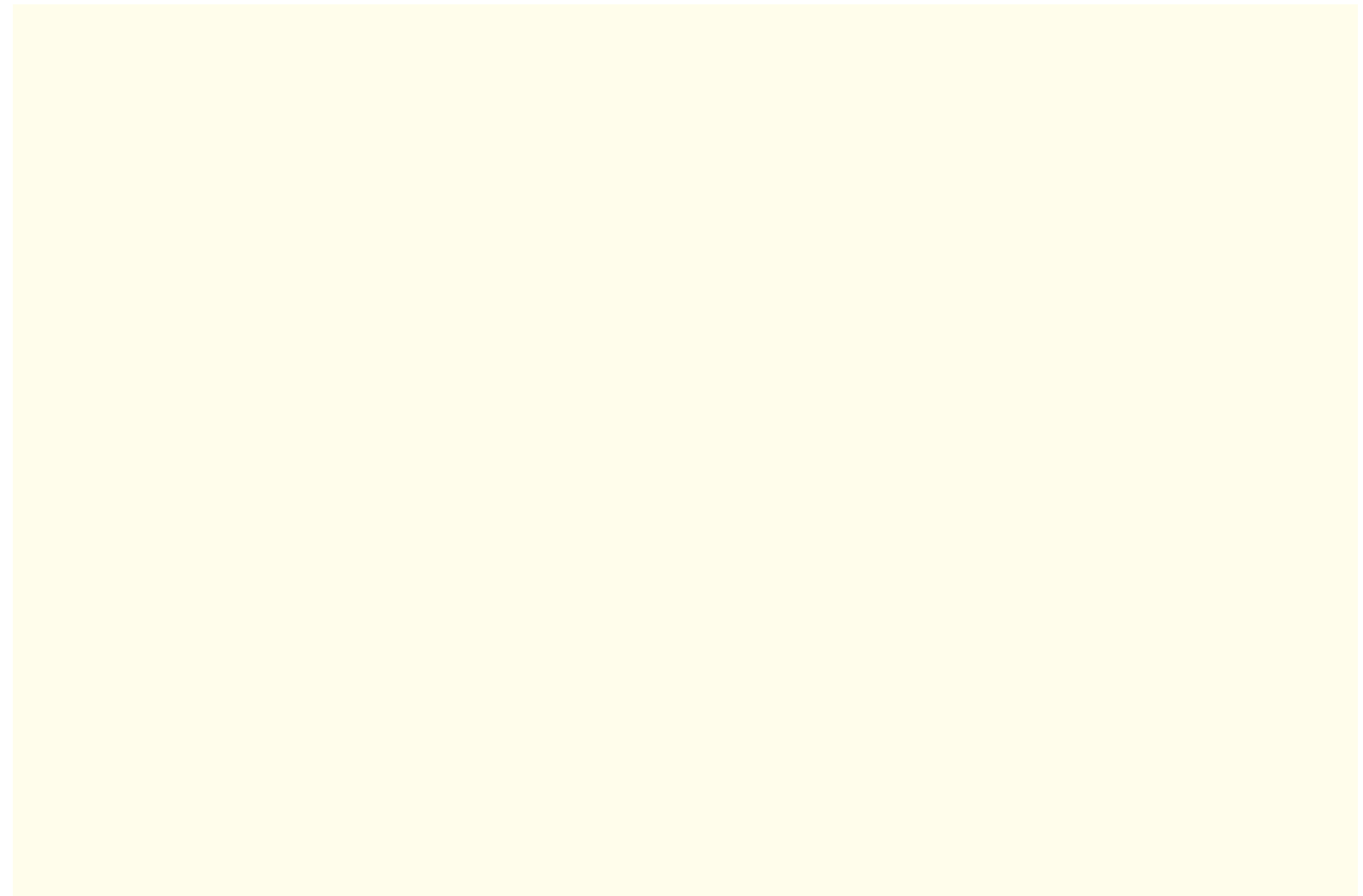


SHIELD STONE  
6145 SF

ASCONA CHESTNUT  
8017 SF



MARMO DI METALLIC  
STONE 6150 SF



662 SF FROST WHITE



EWC  
exterior  
wall  
cladding



6150 SF MARMO DI METALLIC STONE



671 SF NIGHT GREY







RICH LIGHT  
GREY GRANITE  
6154 SF

RICH GREY GRANITE 6153 SF



6154 SF RICH LIGHT GREY GRANITE



6153 SF RICH GREY GRANITE





# Advance EWC

PRODUCT : High pressure decorative laminated sheets  
SIZE : 2440 x 1220 mm  
THICKNESS : 6.00 mm

## INDIA'S MOST FAVOURITE DECORATIVE COLLECTION

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EXTERIOR WALL CLADDING TEST REPORT					
TECHNICAL SPECIFICATIONS					
Properties		Test Method	Unit	Standard Value	Test Results Of Advance Laminates
Thickness		EN 438 2-5	mm	6.0 ±0.40 mm	6.0 ±0.30 mm
Length & Width		EN 438 2-6	mm	+10-0	+5 mm
Edge Straightness		EN 438 2-7	mm/M	≤ 1.5	< 1.5
Squareness		EN 438 2-8	mm/M	≤ 1.5	< 1.5
Flatness		EN 438 2-9	mm/M	Max 5.0 mm/M	Max 4.0 mm/M
Resistance to impact by large Daimeter Ball		EN 438 2-21	mm	1800mm	2000mm
				Dropped Hight	Dropped Hight
Dimensional Stability at Evevated Temperature		EN 438 2-17			
	A) Longitudinal		%	0.30 (Max.)	0.20
	B) Transverse		%	0.60 (Max.)	0.32
Panel Surface Visibility		EN 438-2:5.2.4.2	Dirt, spots, any similar surface defects	≤ 2 mm/m²	Accepted
			Fiber, hair, scratches & similar surface defects	≤ 20 mm/m²	Accepted
Flexural Modulus		ISO 178	Mpa	9000 (Min.)	9500
Flexural Strength		ISO 178	Mpa	80 (Min.)	90
Density		ISO 1183	g/cm3	1.35 (Min.)	1.40
Resistance to wet conditions, increase in mass		EN 438-2:15	Increase in mass	8% (Max.)	3.5
			Appearance		
			• Surface rating	4 (Min.)	5
			• Edge rating	3 (Min.)	3

LIGHT FASTNESS AND WEATHER RESISTANCE				
Resistance to artificial weathering including light fastness, after 650 MJ/M²	EN 438-2:29	Contrast	Grey Scale Rating	3-4
	EN 438-2:29	Apperance	Rating	4-5
Resistance to UV light, after 1500 hours exposure	EN 438-2:28	Contrast	Grey Scale Rating	3-4
	EN 438-2:28	Apperance	Rating	4-5
Resistance to climatic shock	EN 438-2:19		Index Ds (min)	≥0.95
			Index Dm (min)	≥0.95
			Rating (min)	≥4



ALL WEATHER  
RESISTANT



UV  
RESISTANT



CORROSION  
RESISTANT



GRAFFITY  
RESISTANT



IMPACT  
RESISTANT



TERMITES  
RESISTANT



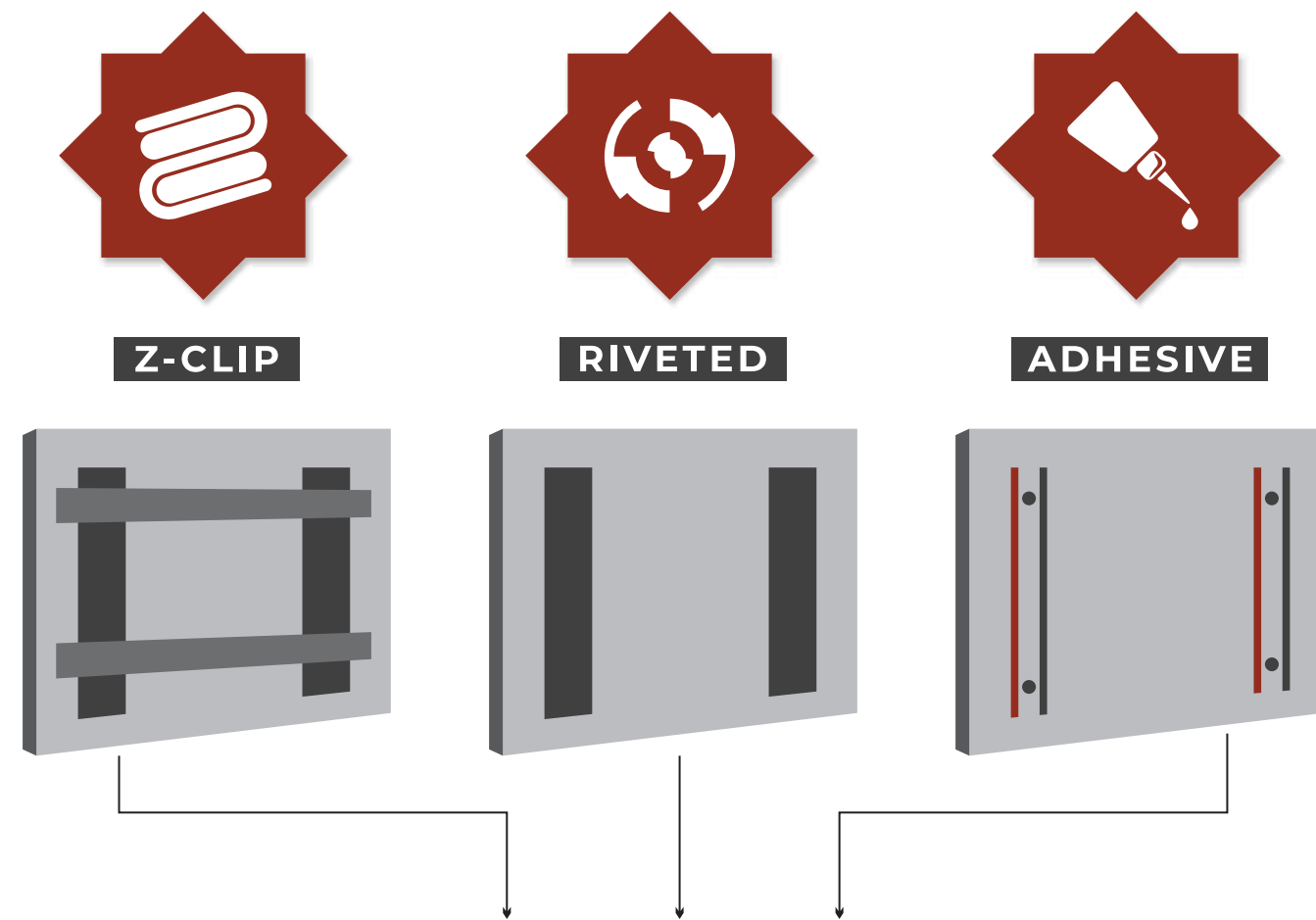
FLAME  
RESISTANT



ABRASION  
RESISTANT



# INSTALLATION TECHNIQUES



FINISHED WALL

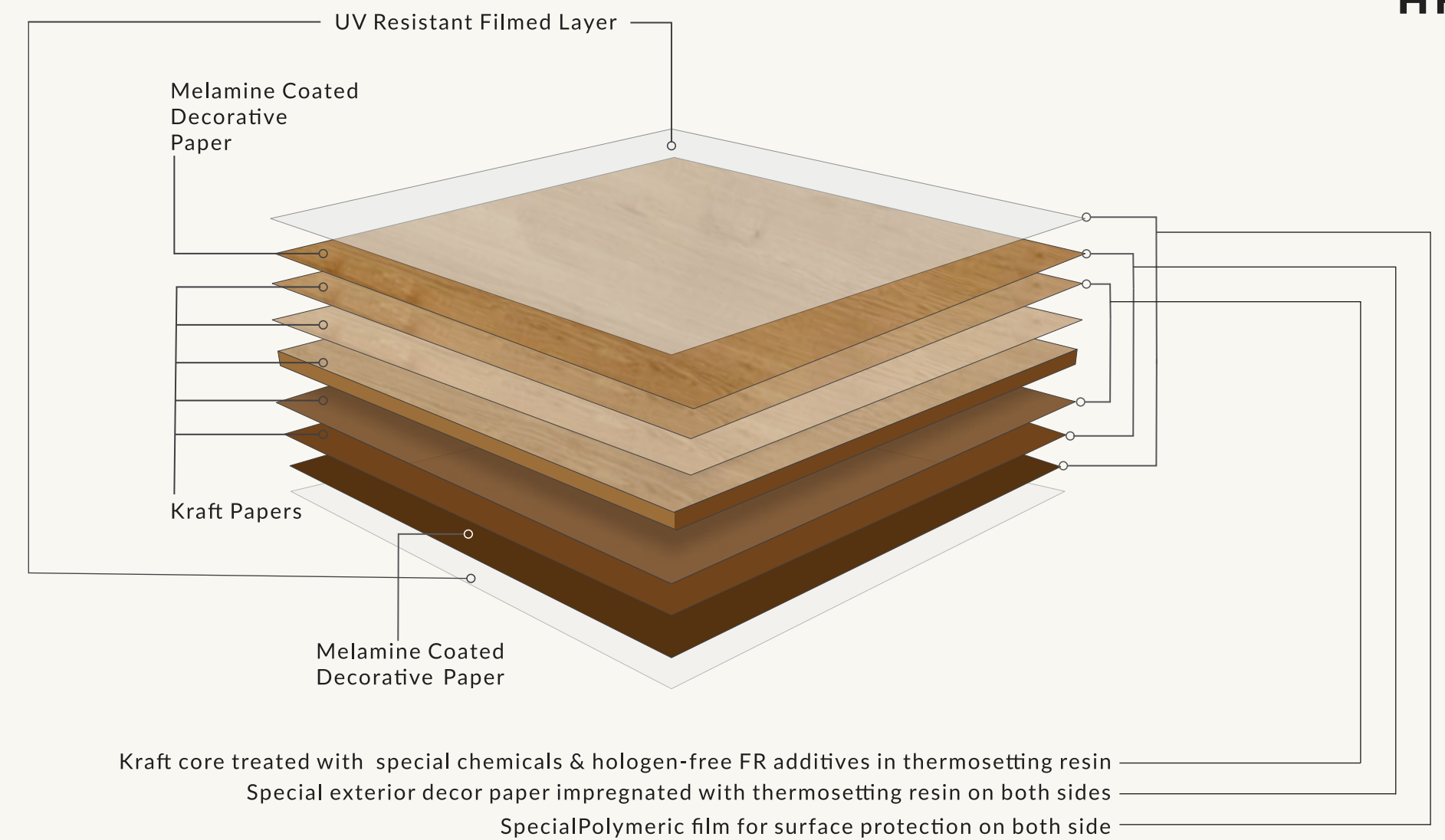
## About Facade

FACADE CONSTRUCTION

High-density stratified panel with natural timber veneer for outdoor use

### PRODUCT DESCRIPTION

**ADVANCE EWC (HPL)** is made with special type of synthetic polymers with UV resistant filmed layer that provides superior weather ability, excellent UV-absorbance and heat resistant performance.



## RIVET METHOD

Rivets are used in a panel mounting application to secure two or more components together. The rivet is easily installed with access only required from one side of the assembly. These systems require substructure (50x25mm rectangular aluminum channel), 10x30a size SS screw, POP rivets etc.

**1) Creation of Aluminum structure:** The aluminum substructure (standard specified) generally consists of vertical support profiles/hollow sections are mounted on the wall using rivets/angle brackets. Considering dimensional behavior of laminate at relative humidity as well as effect of climatic temperature on metal sub-construction, there is need to make fixed points & sliding points to fix the panels.

**a) Fixed points:** fixed points are used for uniform distribution & shrinkage movement. The diameter of the drill hole in Advance exterior clad must measure 5 to 6mm

**b) Sliding point:** The diameter of drill hole in Advance exterior cladding must be larger than the diameter of the fastening as per required expansion clearance. Thus is the shaft diameter of the fastening plus 2mm for every meter of cladding material from the fixed point. The head of the fastening must be big enough so that the hole in exterior clads is always covered  
Procedure: Make 6mm thru hole from back side & 20mm from front side on aluminum rectangular channel for screw fixing with channel and wall. Then mark screw position on wall with the help of rectangular channel for wall plug fixing. While plug fixing, provide space approx. 450 to 600mm between two channels as well as between two fasteners. Keep minimum 15mm distance of channel alignment from floor, sides & ceiling of wall area. Fix all plugs (approx. 30mm) to the marked area. Fix all rectangular channels on the wall with the help of 10x30mm size screw.

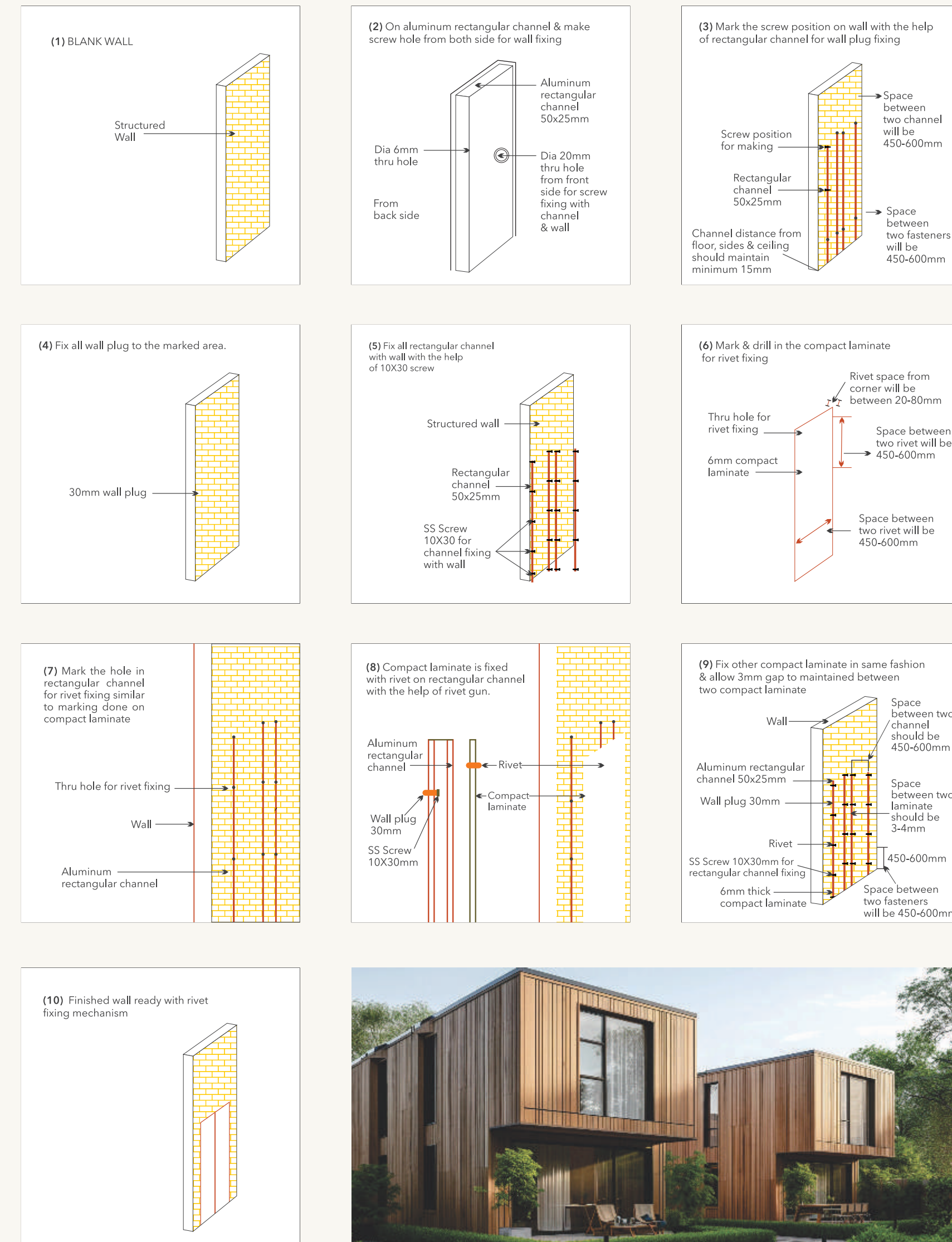
**2) Panel cladding:** Mark the holes in the aluminum triangular substructure as well as in laminate panel for the rivet fixing. Make the drill in the compact laminate for Rivet fixing. While marking, keep rivet space in-between 20-80mm distance from corner as well as maintain minimum 450 to 600mm space in-between two Rivet. Compact laminate is then fixed with Rivet using Rivet gun on aluminum substructure. Fix the other panels in same fashion with maintaining a minimum gap of 4mm to 6 mm in between two panels.

**Important note:** Using rivets system, the mouth piece drilling on the centre of the plate is opened with the same diameter as the rivet, other holes are opened 2-3 mm wider than the rivet diameters, thus enabling movement of clad panels in case of expansion. The placement of the holes should be minimum 20 mm & maximum 60mm distance from the plate edge and distance maximum 10 times of the material thickness





# WALL CLADDING-RIVET type system



# ADHESIVE METHOD

Adhesive system is simple system for rear ventilated facades and visible roof under faces. These systems require 50x25mm rectangular aluminum channel, 10x30 size SS screw, PU sealant, VHB structural glazing tape, PU primer black etc. PU sealant & VHB tape should have good quality and resistance to UV radiation.

## PROCESS:

a) Creation of aluminum structure:  
Make 6mm thru hole from back side & 20mm from front side on aluminum rectangular channel for screw fixing with channel and wall. Then mark screw position on wall with the help of rectangular channel for wall plug fixing. While plug fixing, provide space approx. 450 to 600mm between two channels as well as between two fasteners. Keep minimum 15mm distance of channel alignment from floor, sides & ceiling of wall area. Fix all plugs (approx. 30mm) to the marked area. Fix all rectangular channels with wall with the help of 10x30mm size screw.

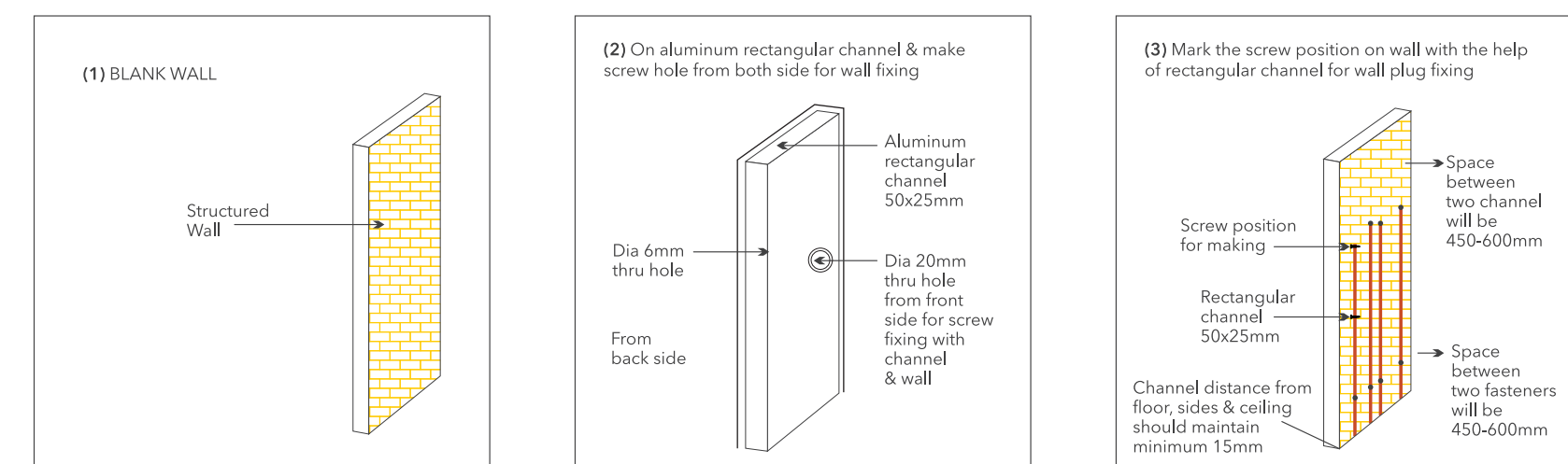
b) Surface preparation and priming: Abrade (rough) both the bonding area (front side of the channel & backside of laminate surface) using either cleaning pad/scrubber/fine emery paper. Clean the roughed surfaces and apply black primer (recommended) on these bonding areas and allow to dry to leave a tack free film. Kindly note, primer coating on laminate backside surface is to be done just before bonding but before sealant application on the frame to get better bonding results.

c) VHB & Sealant application: Paste VHB tape & PU sealant on front side of framed aluminum channel. Always apply VHB tape before sealant as there is skin formation on sealant bead if exposed long in air. Apply the sealant as a triangular bead of 6-8mm base and height approx. 10-12mm away from the tape.

d) Panel Cladding: Align the compact laminate & fix the same on channel with the help of VHB channel & PU sealant. Apply pressure with a rubber roller or by hand. Kindly ensure proper alignment of panel before pressurized for bonding. Enough pressure should be applied so that both surfaces fully contact the tape. Fix other compact laminate in same fashion & maintain a minimum gap of 3mm to 4mm between two compact laminate. Kindly note to achieve maximum bonding strength, minimum 24 hours is required for optimum curing after installation process.

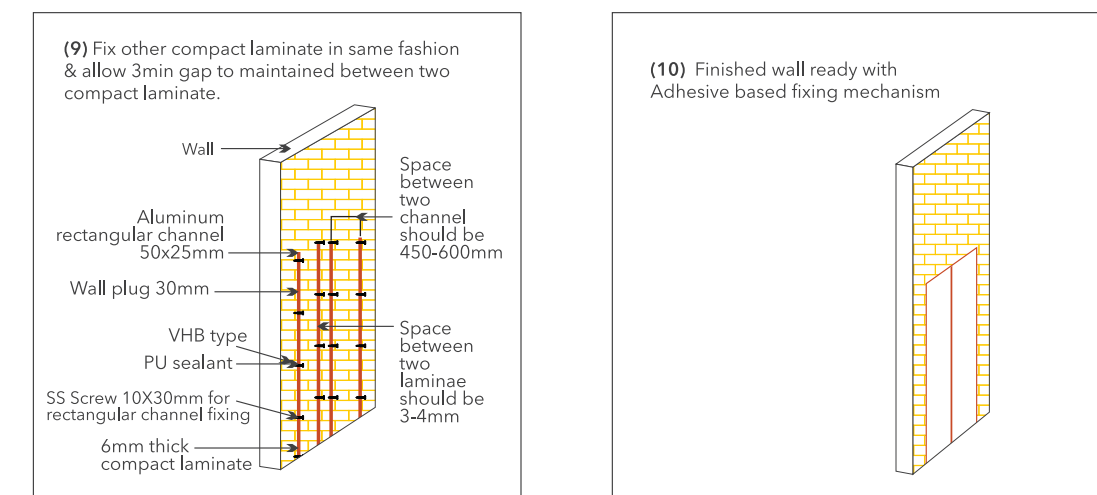
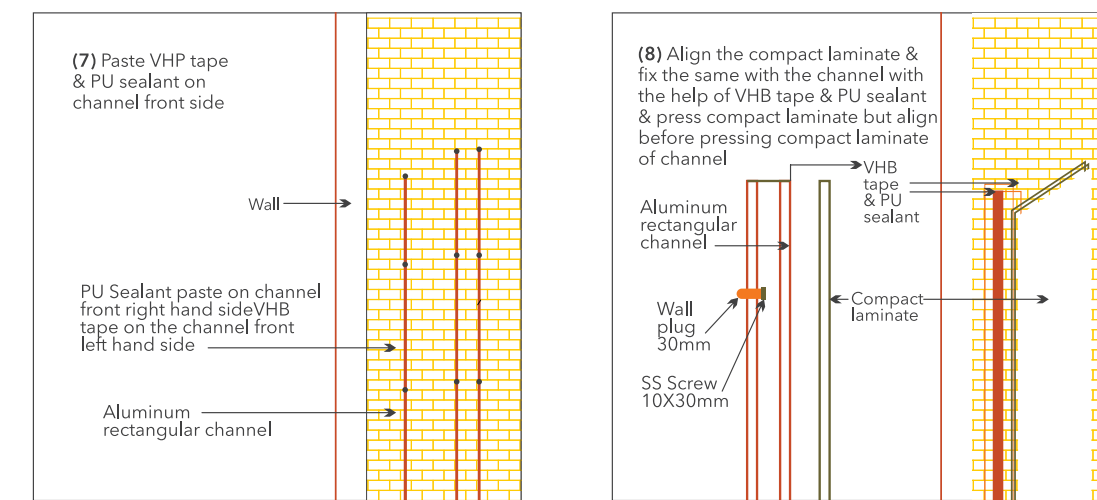
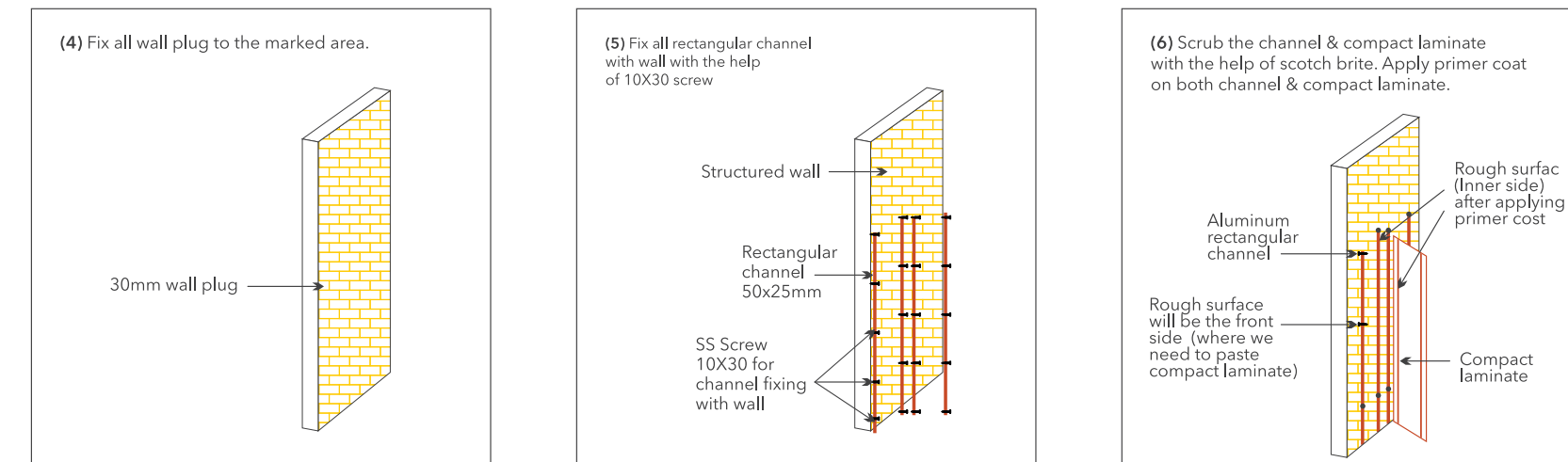


# WALL CLADDING-RIVET type system





# WALL CLADDING-RIVET type system



# Z-CLIP METHOD

AZ-clip system involves installing clads on the wall structure (lip-up) and strips/clips on the back of the panel (lip down). Once the panel is "dropped" into place, blocking at the top of the panel keeps the compact laminate from being removed. This system required 50x25mm rectangular aluminum channel, Z-clip, 10x30 size SS screw, 8x6mm SS Screw etc.

## PROCESS:

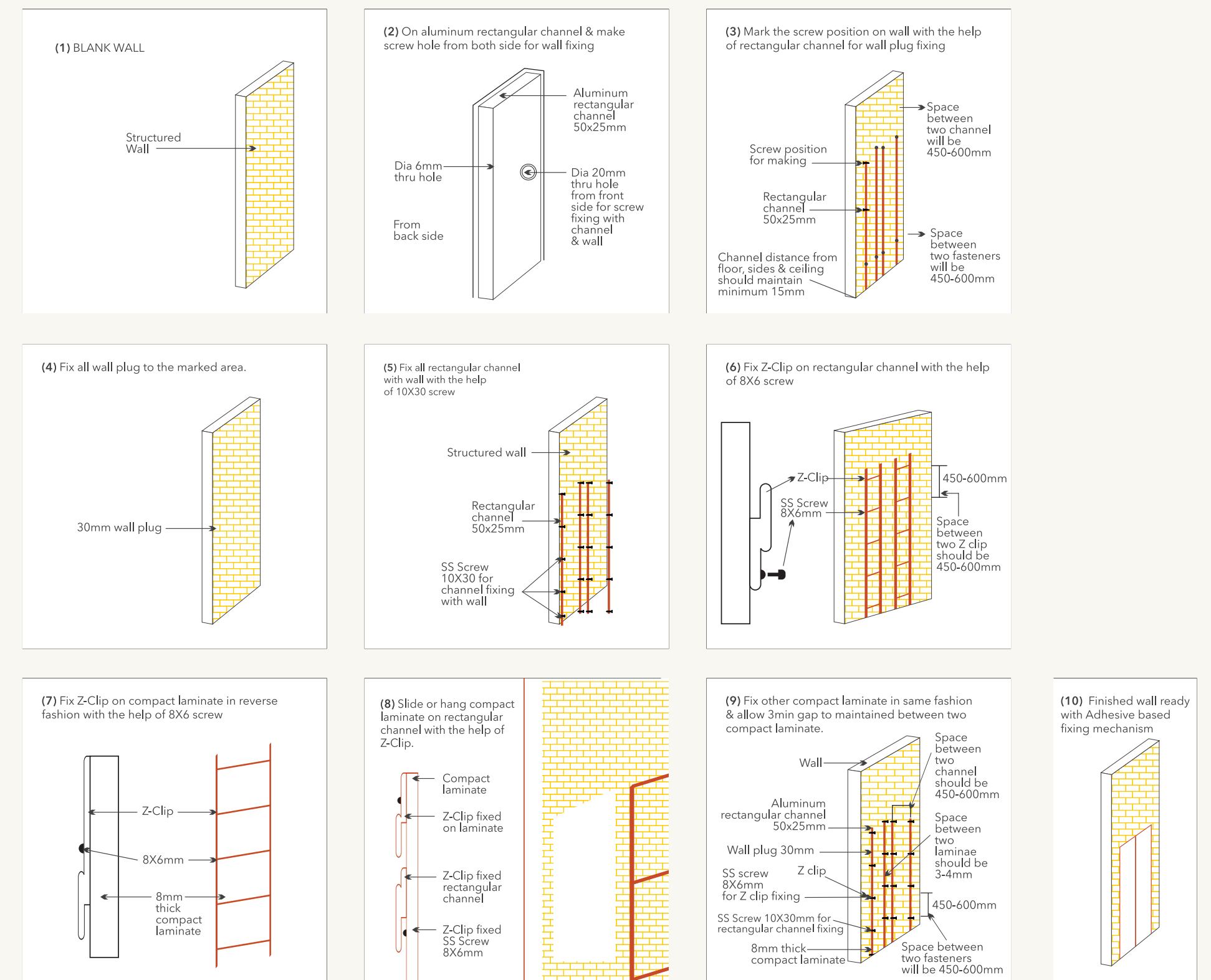
Creation of aluminum structure using Z-clip:

Make 6mm thru hole from back side & 20mm from front side on aluminum rectangular channel for screw fixing with channel and wall. Then mark screw position on wall with the help of rectangular channel for wall plug fixing. While plug fixing, provide space approx. 450 to 600mm between two channels as well as between two fasteners. Keep minimum 15mm distance of channel alignment from floor, sides & ceiling of wall area. Fix all plug (approx.30mm) to the marked area. Fix all rectangular channels with wall with the help of 10x30mm size screw. Fix Z

clip on rectangular channel with the help of 8x6mm SS screw. Keep minimum 450 to 600mm space in-between two Z-clip. Fix Z-clip on another side of exterior laminate in reverse fashion with the help of 8x6mm size SS screw. Then with the help of Z-clip, slide or hang laminate panel on framed rectangular channel. Fix all other laminate panels in same fashion with maintaining a minimum gap of 3mm in-between two compact laminate.

Important note in all above three procedures: An efficient air circulation must be secured between Advance exterior wall cladding and the surface or the coating of the building. The blank grouting spaces allowed for ventilation between the plates should not be filled with any material. An efficient air circulation must be provided from the ground level of the plate to the top edge. A minimum of 50 cm<sup>2</sup> space is required for every 1 meter width. If no air ventilation gap is reserved at the construction framework, deformation will occur on the exterior plates.

# WALL CLADDING-CONCEALED \ MOUNTING (Z-CLIP TYPE)





# MATERIAL HANDLING AND STORAGE

Storage and Handling: Use pallets during transportation of Outdoor wall Cladding panel. The surface should be free from debris, grit or foreign bodies to protect the decorative surface. Avoid pushing of panels over one another. Always cut the panels with the long edge parallel to the length of the panel.

## ON-SITE STORAGE AND HANDLING GUIDELINES

Also, Advance EWC External Wall Cladding panels undergo a certain amount of dimensional movement when subjected to humidity, hence to minimise the risk of bowing, take care of the following:

Always cut the panels with the long edge parallel to the length of the panel. Dimensional movement across the width of the panel is twice as great as it is along the length, so cutting panels with the long dimension running across the width of the panel greatly increase the risk of bowing.

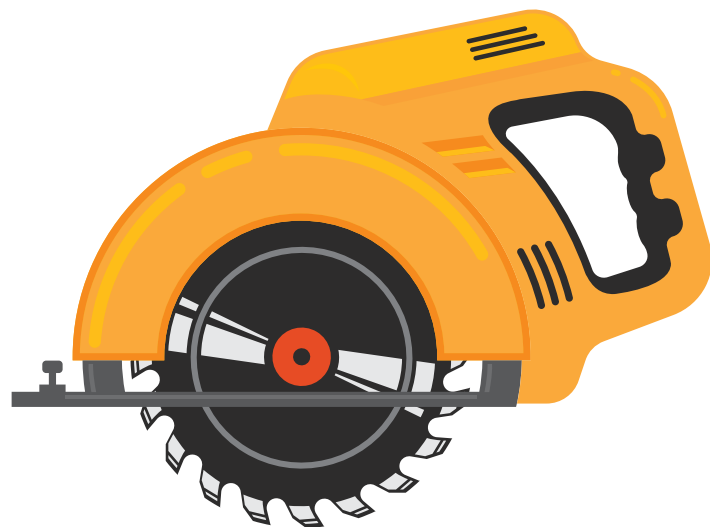
Ambient Conditions: As far as possible try to maintain the same ambient conditions on both sides of the panel. Outdoor wall Cladding sheets should be stored horizontally on a flat board with sufficient weight on top to keep the sheets flat. Cover the cladding sheets with a material impervious to water.

Fabrication Conditions: Use proper tooling while working with Outdoor wall Cladding, use spindle moulder or router to achieve a superior finish or a profiled edge. Cutter marks cannot be avoided completely but can be minimized feeding the work at a constant controlled speed. Avoid pausing during profile cutting, this can cause burn marks which are hard to remove. The edges of cladding should be chamfered to reduce the risk of edge impact damage.

## MACHINE:

**5300 RPM**  
**Black Dia 110MM; Teeth: 44 to 55**

Saw blade of less than 2mm thickness is not recommended. Saw blades used for cutting double sided composites can be used for cutting Outdoor Wall Cladding panels. In order to avoid Break-out on the underside of Cladding use following techniques:



- Use a plywood or hardboard under the sheet
- Use pre-scoring blade under the sheet
- Alter the exit angle of the Saw
- A speed of 0.03mm-0.05mm per Saw tooth is recommended for cutting double sided sheet.

## DRILLING:

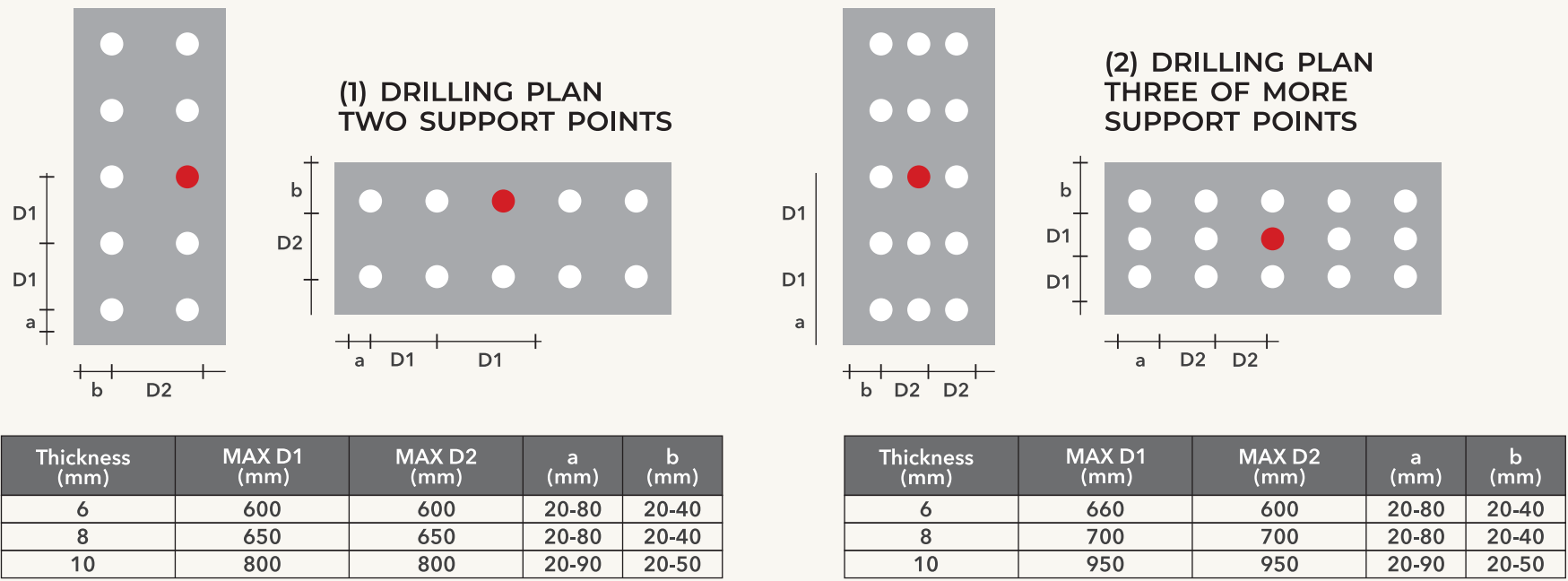
The most suitable drills for use on Advance External Wall Cladding EWC Panels are those designed for plastic sheets. These drills have a point angle of 60-80° instead of the normal 120° for drilling metal.



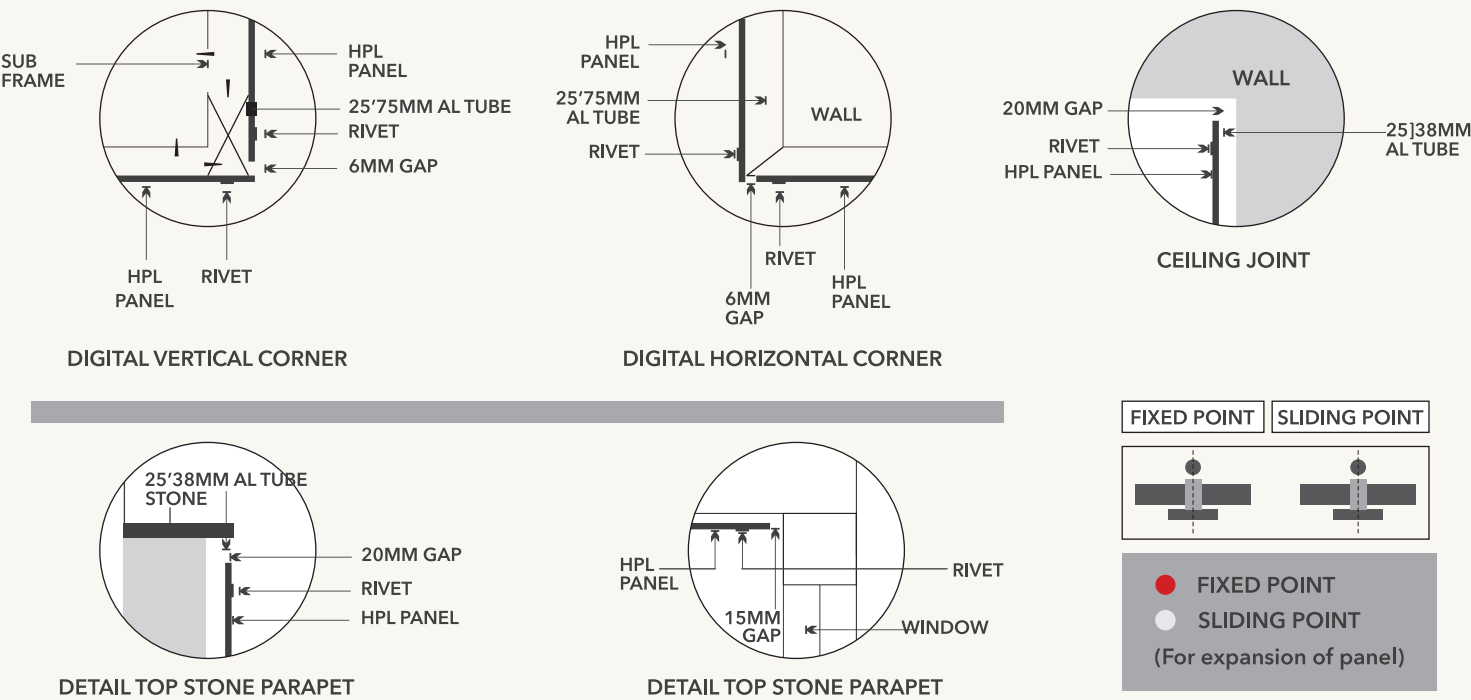
To avoid break-out on the reverse side, gradually reduce the feed speed of the drilling head and the pressure applied when approaching the point of breakthrough. Working on a firm underlay, reduces the risk of break-out. For blind boring into the face, the depth of the hole should be such that at least 1.5 mm of material remains between the bottom of the hole and the other side of the sheet. TCT lip and spur drills produce clean flat-bottomed blind holes, with low risk of point penetration on the reverse side. This allows maximum depth of material to be used for fixings. When drilling parallel to the surface (edge drilling) at least 3 mm of material must be on either side of the hole. Threaded holes can be produced using engineer's screw cutting taps. Self-tapping screws or threaded brass inserts may also be used.



## DRILLING PATTERN



## INSTALLATION SYSTEM



## SPECIFICATIONS

1. Aluminum cube channel should be of 50x25x2mm thick or 38x38x2mm thick. Every junction of two panel's aluminum cube channel 63x38x2mm thick or 75x38x2mm thick. (channel should be powder coated anodized)
2. Channel fixing will be fixed using 100mmx10mm anchor bolt on the wall in distance of 900mm c/c. Riveting hole on sheet should be 8mm.
3. Riveting hole on channel should be 5mm. Riveting distance between each rivet in horizontal 450mm-600 mm c/c in elevation.
4. Riveting distance between each rivet in vertical 300mm-450mm c/c in elevation.
5. For the edge plank. Riveting distance between each rivet is 300mm-450mm c/c in ceiling.
6. For the start point from the edge of the wall, Riveting point marking will be 25mm in horizontal & 50mm in vertical in order to match the centre of the aluminum section.
7. Groove or Gap between each panel in horizontal & vertical should be 4mm-6mm.

## CARE AND MAINTENANCE :

To clean the surface, use a damp cloth or sponge and a mild soap or detergent. The use of cleaners containing abrasives, acids or alkalis may damage the decorative surface. Being anticorrosive and antibacterial in nature of cladding, there is no special maintenance apart from cleaning is required.

## WARRANTY :

The Company provides the warranty to the consumer/purchaser for 11 years ("to retain the laminate properties as per requirement of EN438-6:2005 standard specified for exterior grade) after date of purchase that, under normal use and service, EWC (HPL) Laminate Sheets are free from manufacturing defects and confirm to specifications. This Warranty is not transferable and applies only to a EWC Laminate sheet and is extended only to, and may be enforced only by, the consumer/purchaser. Proof for date of purchase is required to avail warranty. This warranty shall not apply to damage arising from improper fabrication or installation, improper maintenance or repair, accidents, abuse or misuse. Slight homogeneous variation in color may take place in course of time. In case of any dispute or difference which arises out of these warranty terms, the same shall be exclusively subject to the jurisdiction of the courts of law in Delhi, India. Company warrants that its products are of high quality standards. Nevertheless, in case of any product complaints the company's liability will be limited to the cost of its products only. In no event shall its company or its dealers/stockists be liable for any other loss or damage arising out of its products.





**ADVANCE DECORATIVE LAMINATES**  
(An ISO 9001 ISO 14001 & ISO 45001 Certified Company)

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