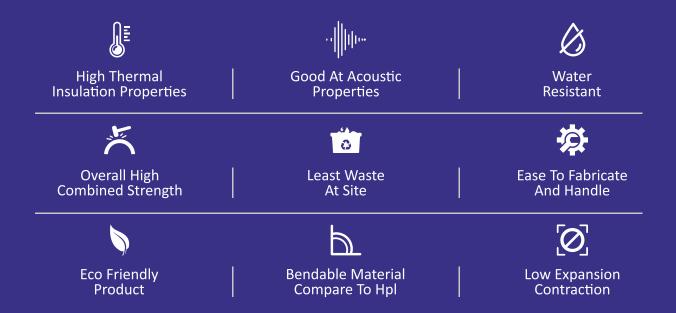


The high-pressure laminate -Apex designed by Flexibond have all the attributes of a new generation product which we have gained by combining excellent artistic features with virtues of interest for all architectural design solutions, starting from ductility to strength. Flexibond's AHPL is a product that is both easy to work on and remarkably strong at the same time. Our AHPL is resistant to scratches, heavy impact, chemical substances, and heat. All these attributes make it an ideal material for diverse applications. To ensure further properties, it is also antibacterial and fireproof, therefore they are especially suitable for applications in public places or areas where hygiene important for eg, kitchens & hospitals.



FUTURISTIC

INNOVATION

GIVE YOUR SPACE AN ELEGANT TOUCH!







GATE ELEVATION



FENCES



BALCONY CLADDING



LOUVERS

FACADES



RAILING



Flexibond is forever committed to exceeding your needs and so we have introduced our newest corten steel collection which displays a rustic antique appearance. In it's most basic meaning, utilizing corten steel collection will present your structure with a look that's natural, rough, aged, and casual but at the same time has that modern tactility. In short, by applying these, you can kiss the conventional style goodbye!



CORTEN







Corten Copper

FB - 722 RC

CLASS

HERE

RESIDES

FOR GOOD





Corten Bronze

FB- 723 RC



Corten Grey

FB- 724 RC



Nature has never failed to amaze mankind with its flawlessness, keeping that in mind Flexibond has come up with the latest collection of wooden partition panels. Crafted precisely, every detail in our partition panel is nothing but utter excellence. Above all, we have various natural wood look finishes and you are assured to love the stimulus these nature-inspired products create with their soothing visuals.















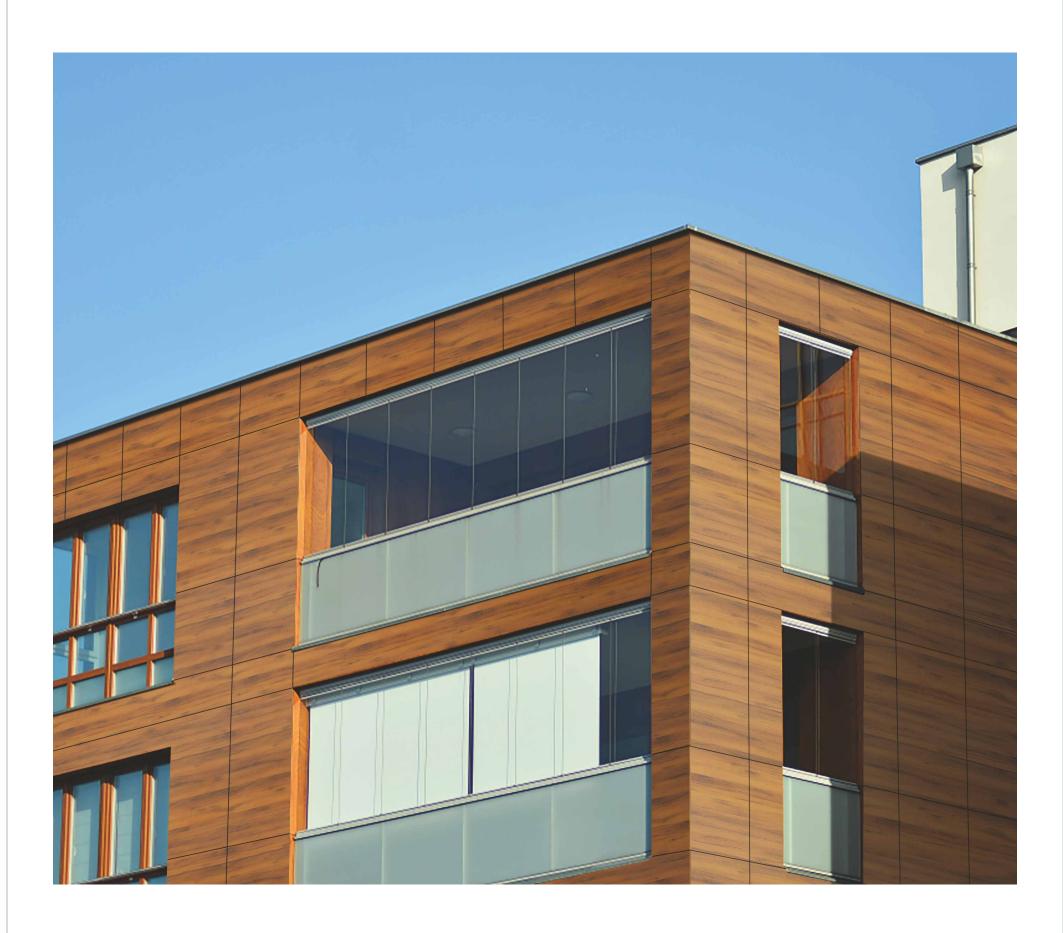
Country Oak FB - 822 RW



Knotty Wood



FB-824 RW Cuban Chestnut



WODDN









Dark Oak FB- 827 RW



Novoceno Pine FB - 826 RW



Illusion Teak FB- 828 RW





FB - 801

Mexican Teak



Canadian Cherry FB - 802 RW







Brazilian Walnut FB-804



Congo Sapeli FB-806



African Sapeli



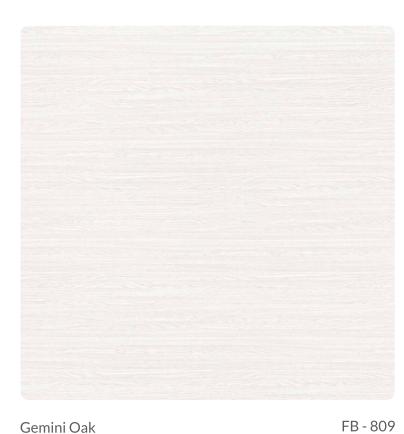
Finland Cherry FB-807 RW



Ebony FB - 808



Sisam Wood FB-810



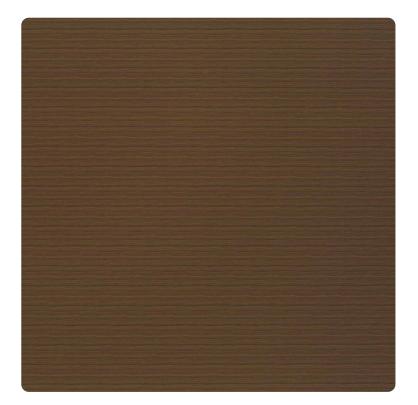
Gemini Oak



Rose Wood FB-811

WODDN









Bruma Teak FB - 814 RW



Laurel Wood FB - 813 RW







Burn Walnut FB - 816



Antique Wood FB - 818



Saw Cut Wood FB - 817

EXCLUSIVE
SET OF
FUTURISTIC
DESIGNS

Marble is a spellbinding substance of 'mother nature' and amongst stones 'marble' is the most marvellous, considering this Flexibond has introduced the latest collection of marble series. This collection of panels is so precise in mimicking marbles that it seems as if they are actually quarried from mother earth. Be it a home or a corporate office, we have designs that come with a promise of earthy elegance and enhance the overall ambiance at the drop of a hat.



MARBLE

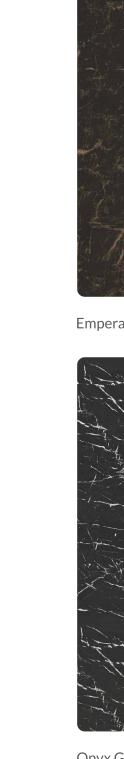


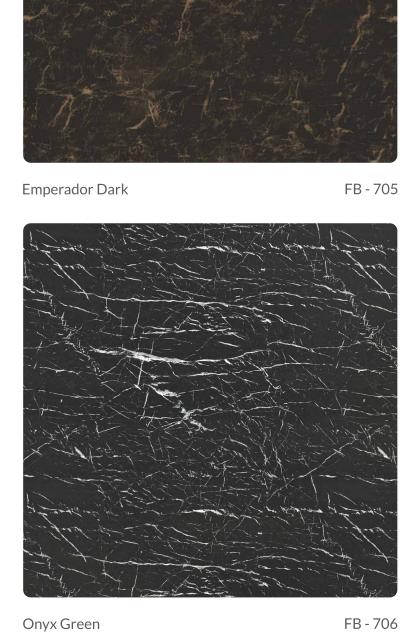
















Onyx Green FB - 706 Italian Black FB - 708

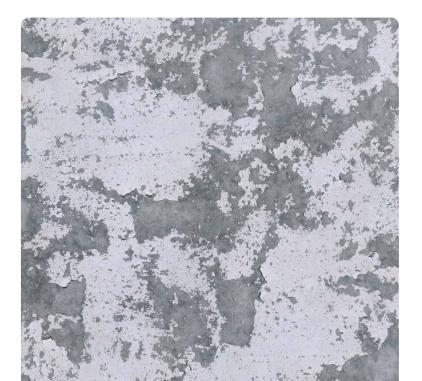
MARBLE



Italian Brown FB - 709



Statuario FB - 711



Dove Grey FB - 721 RM



HPL Installation with Rivets on Aluminium Tubes with no Gap or 6MM / 8MM GAP

II)25 x40mm (1 "x1.5") for all other planks.

ГЕР 1

STEP 4

both ends.

Before starting the installation, The wall must to be plastered well and painted with black paint.

Drill Flexibond AHPL - Plank with 5mm

drill bit at a distance of 25mm from

STEP 5

STEP 2

with the help of a rivet gun, install the plank on the wall . Use rivet gun recommended by Flexibond for better results. Only use rivets supplied by Flexibond.

The aluminum substructure normally consists of a vertical

support that is fixed on the wall by angle brackets. Mount

aluminum tubes (thickness - 1. 6 mm) on the wall with the help

of aluminum angle brackets while maintaining a horizontal

gap between two aluminum tubes to a maximum of 450 mm (18). I)5x25mm (1 "x3") for horizontal joints between two plans.

STEP 3

The AHPL must be used as per customer requirement. The Installation process starts from the corner, left border or Centre as per the uniform property of the facade.

Dimensions

Standard Sheet Size	4'x8'	Thickness of sheet	Minimum distance of holes to edge	Minimum distance between the holes - width	Minimum distance between the holes - lenght
Thickness	6mm	6mm	10-20 mm	450mm	550mm
		Panels can be in CONVEX OR CONCAVE shapes			Panels can be bend on 90° angle

Fixing Method



Fixing Detail (With Rivets)

- Firstly, the plastered wall should be painted black.
- Thereafter, mount the aluminium sections on wall while maintaining a gap of 400 700mm centre to centre with help of cleat vertically.
- Pre drill the pilot hole before fastening the rivets tightly.
- The thickness of panel and gauge of aluminium must be three times less compared to the size of rivets and also the rivets used must be fully threaded.

Fixing Detail (Without Rivets)

- First of all, the surface of the aluminum section & portion of the plank must be rubbed with sand paper, following this the adhesive should be applied.
- Avoid using silicon for gap filling.
- Have a gap of 3mm to 6mm in between the planks.

*Product color may vary from actual shade. Please refer shade card/sample for actual shade before placing the order.



Washing & Cleaning Instructions

- 1. Routine cleaning is recommended depending on different environmental conditions,
- 2. To wash the contaminated areas in some parts just the use of tap water is not enough, it is necessary to use diluted household detergent (1-4% with water) and following the cleaning, the area should be wiped by a soft cloth. Try rinsing it using a soft cloth with light pressure to get rid of the stain. If the stain stays after drying, then utilize neutral detergents mixed with water.
- 3. Flexibond advises not to clean the panels by cleaning agents, which are used for cleaning windows, glazed tiles and sanitary ware, for example, detergents with some alkali (hydroxide of potassium and sodium).
- ${\it 4. \,\, Rinse\, the\, surface\, with\, water\, after\, cleaning.}$
- Flexibond recommends the cleaning: for rural areas-01 time/year, city area -01 times/year.
 For areas with insufficient rains and/or coastal area 01 time/year industrial area 02 times/year.

Delivery, Storage & Handling

- 1. It is important to assure precise delivery & packaging of the panels, to prevent it from damage or deformation.
- We should do packing and handling of the panels in such a way that during transportation, the corners remain secure. The shifting among individual sheet should be next to none.
 Unload, collect and place the panels in such a manner that bending, warping, twisting, surface or corner damage is zero.
- 3. Always ensure that the panels are placed in areas with dryness with a positive inclination for seepage of water.
- 4. Do not store panels near other materials that may cause staining, scratching or other surface damage.

TECHNICAL SPECIFICATIONS

S.NO	ITEMS	FLEXIBOND AHPL				
1	Thickness of Composite Panel (mm)	6mm				
2	Skin Thickness (mm)	0.25mm				
3	Weight (Kg/Sqm)	7.5Kg				
4	Polyethylene type LDPE (g/ cm3)	0.92				
5	Surface					
6	lacquering	LUMIFLON / PVDF				
7	Brilliance (Initial Value)	30-30% accord to Gardner				
8	Hardness (Pencil hardness)	3H				
9	Temperature Resistance	From- 50 to +80° C				
10	UV Stability	Brillant				
MECHA	MECHANICAL PROPERTIES OF ACM					
11	Tensile Strength (ASTM E-8)	4.2 Kgm P ²				
12	Yield Strength (ASTM E-8)	4 Kgm P ²				
13	Elongation (ASTM E-8)	13%				
14	Flexural Elasticity (ASTM C-393)	4030 Kg/mm²				
15	Thermal Expansion (ASTM D-698)	1.1 mm/M/50° C				
MECHA	NICAL PROPERTIES OF ALUMINIUM SKIN					
16	Aluminium Alloy Grade	H 18 -1100				
17	Yield Strength (ASTM E-8)	14Kg / mm²				
18	Modules Of Elasticity (ASTM C- 393)	7000Kg /mm²				
19	Bond Integrity (ASTM C-297)	118 Kg/cm²				
20	Deflection Temperature (ASTM D-648)	110° C				
ACOUS	ACOUSTICAL PROPERTIES					
21	Sound Absorption Factor as	0.05				
22	Ari Born sound insulation index RW (DB)	24				
23	Loss Factor d	0.0057				
24	Gloss at 60°	26				

25	Elongation ASTM E-8	A50>=3%	
26	Abrasion Resistance (ASTM-D-968-81)	The painted Flim doesn't wear out through pouring 50 Ltr of sand on the surface of the coated panel	
27	Hardness (Pencil hardness)	3H	
28	film hardness (Pencil hardness)	2H	
29	Rigidity E-J (KN cm 2/3)	865	
30	Reverse Impact Crosshatch ASTMO 1737-62	2T.no Cracking	
ADHES	ION		
31	Dry ASTM D-3359 Method 8	No Change	
32	Wet 37.8°C, 24 Hrs	No Change	
33	Boiling Water 1000C, 20mm	No Change	
CHEMI	CAL RESISTANCE		
34	HCL (ASTM D1308 -79)	No Change	
35	H2 SO4 (ASTM D1308-79)	No Change	
36	Detergent (ASTM D2248-73)	No Change	
37	Oil Resistance	No Change	
38	Dirt Resistance	No Change	
WEATH	IERABILITY		
39	Colour Retention (ASTM D-2244-89 Max 5 Unitts	4000 Hrs	
40	Gloss Retention ASTM D-523-89 70%	4000 Hrs	
41	Chalking ASTM D-4214-89 Max 8 Units	No Chalking was seen 4000Hrs	
42	Salt Spray	No Change 3000Hrs	
43	Humidity ASTM D-2247-87	No Blister, No Craking, 10 Cycles:24 Hrs X 100% RH, 37.8°C:2 HrsX 18°C 4HrsX24°C	
44	Humidity (Thermal ASTM D-2244-65)	None to very few # 8 blisters 100%	
45	Condensing Humidity 54.4°C ASTM 4585-87	Rhx 54.4°C, 2500Hrs	