

HPL Decor is a high-quality exterior grade decorative product used for creative building exterior applications. At par with the global standards and available in large format panels, this revolutionary product complies with EN438- Part 6. HPL Decor compact laminate panels are produced under high pressure and high temperature. Special protective film on the top surface provides excellent UV resistance, protecting the panels from harsh solar rays, and from other extreme weather conditions including heavy rains, acid rain, hail & heat. Under the design layer, use of double hardened resins makes the HPL Decor panels capable of withstanding erosion from natural elements. HPL Decor panels are available in single side and both side decorative option.

### Salient Features & Properties

- No distortion even in extreme climatic changes such as from -20° C to +80° C or from a dry climate to a relative humidity in excess of 85-90%
- Highly UV resistant with almost no shade fading even after years of installation.
- Resistant to extreme weather conditions, eg, heavy rains, acid rain, hail & heat
- Suitable for installation as ventilated facade system
- Colour stable- optimal light fastness
- Self-supporting
- Wide range of wood grain décor species & solid colours
- Double hardened resins providing resistance against erosion from natural elements
- Impact resistant-wind and other elements
- Scratch resistant
- Fire retardant -FR rating Class 1
- Easy & rapid installation
- Low cost maintenance
- Heat insulation and wall protection-protects buildings from excess temperature in summer to excess cold in winter & aiding removal of heat and moisture from rain or condensation
- Suitable for all exterior vertical applications
- Available both in exterior and interior grade

### Array of Applications:

HPL Decor has varied kinds of usage, a few are mentioned below:

- Facade Cladding
- Balcony Cladding
- Roof Cladding
- Canopy
- Pedestrian Shelter
- Awning
- Soffit
- Prefab Hut
- Partition
- Gate Cladding
- Duct Covering
- Sliding Gates
- Parapet
- Louvre
- Highlighter
- Signage



**THICKNESS : 6MM, 8MM, 10MM**

## Technical data sheet

EXTERIOR GRADE HIGH PRESSURE COMPACT LAMINATE

Size: 2440 mm. x 1220 mm.

Sl. No.	Exterior Grade Specification		HPL Decor (Non Halogenated)
	Properties	As per EN 438-part 6	
1	Thickness (mm.)		
	5.00 ≤ t < 8.00 mm.	6.00 ± 0.40 mm.	6.00 ± 0.40 mm.
2	Length (mm.)	2440.00 +10.00 mm / - 0.00 mm	2440.00 +10.00 mm / - 0.00 mm
3	Width (mm.)	1220.00 +10.00 mm / - 0.00 mm	1220.00 +10.00 mm / - 0.00 mm
4	Max. Edge Straightness (mm.)	1.50 mm. / m.	≤ 1.00 mm. / m.
5	Max. Edge Squareness (mm.)	1.50 mm. / m.	≤ 1.00 mm. / m.
6	Max. Flatness (mm.)		
	6.00 ≤ t < 10.00 mm. (t = nominal thickness)	5.00 mm. / m.	≤ 5.00 mm. / m.
	t ≥ 10.00 mm.	3.00 mm. / m.	≤ 3.00 mm. / m.
7	Flexural Modulus (Min.)	9000 M Pa	≥ 11,000 M Pa
8	Flexural Strength (Min.)	80 M Pa	≥ 100 M Pa
9	Tensile Strength (Min.)	60 M Pa	≥ 70 M Pa
10	Density, gm. / cm <sup>3</sup> (Min.)	1.35 gm. / cm <sup>3</sup>	1.45 gm. / cm <sup>3</sup>
11	Resistance to impact by large diameter ball		
	a) Drop height, mm. (Min.)		
	t ≥ 5.00 mm. (t = nominal thickness)	1800.00 mm.	2000.00 mm.
	b) Indentation Dia., mm. (Max.)	10.00 mm.	≤ 10.00 mm.
12	Resistance to wet conditions		
	a) Mass increase % (Max.)		
	t ≥ 5.00 mm. (t = nominal thickness)	8%	3%
	b) Appearance (not worse than)	Rating 4	Rating ≥ 4
13	Dimensional stability at elevated temperature		
	t ≥ 5.00 mm.		
	a) Longitudinal, % (Max.)	0.30%	≤ 0.20%
	b) Transverse, % (Max.)	0.60%	≤ 0.40%
14	Resistance to climatic shock		
	a) Appearance	Rating 4	Rating 4
	b) Flexural Strength Index (Min.)	0.95	≥ 0.95
	c) Flexural Modulus Index (Min.)	0.95	≥ 0.95
15	Resistance to artificial weathering (including Light Fastness)	After 650 MJ / m <sup>2</sup> radiant exposure (3000 hrs.)	3000 hrs. passes
	a) Gray scale rating (not worse than)	Rating 3	Rating 5
	b) Appearance (Min.)	Rating 4	Rating 5
16	Resistance to UV light	After 1500 hrs. exposure	1500 hrs. passes
	a) Gray scale rating (not worse than)	Rating 3	Rating 5
	b) Appearance (Min.)	Rating 4	Rating 5
17	Spread of flame	Class 1	Class 1
<b>Standard : ASTM E84</b>			
18	Classification	Class	Class A
	Flame Spread Index	FSI 0 - 25	<25
	Smoke Developed Index	SDI 0 - 450	<450



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Resilient surfaces that enhance aesthetics, and proportions with their exalting details, resulting in refined outdoors.



**EXTERIOR  
COMPACT  
LAMINATES**

Wood Grain, Abstract & Stone Decor



SF 8230



SF 8231



SF 8232



SF 8239



SF 8240



SF 8241



SF 8233



SF 8234



SF 8235



SF 8201



SF 8205



SF 8206



SF 8236



SF 8237



SF 8238



SF 8204

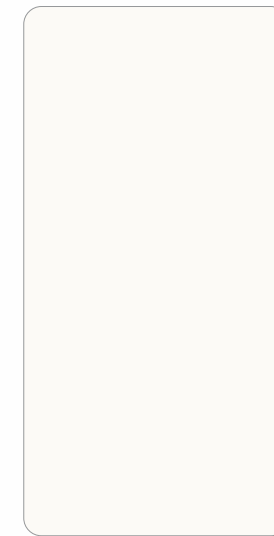


SF 8203



SF 8202

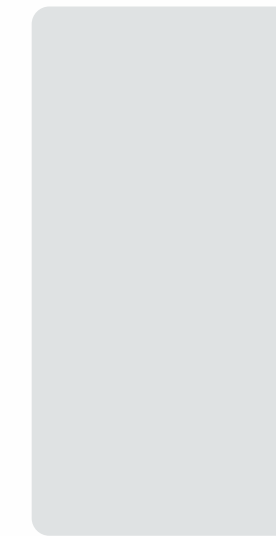
Solid Decor



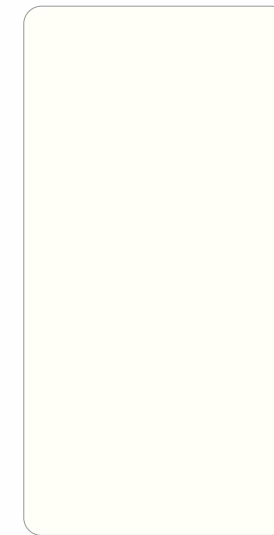
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SF 9105



SF 9104



SF 9901



SF 9914



SF 9925



SF 9906



SF 9905



SF 9106