



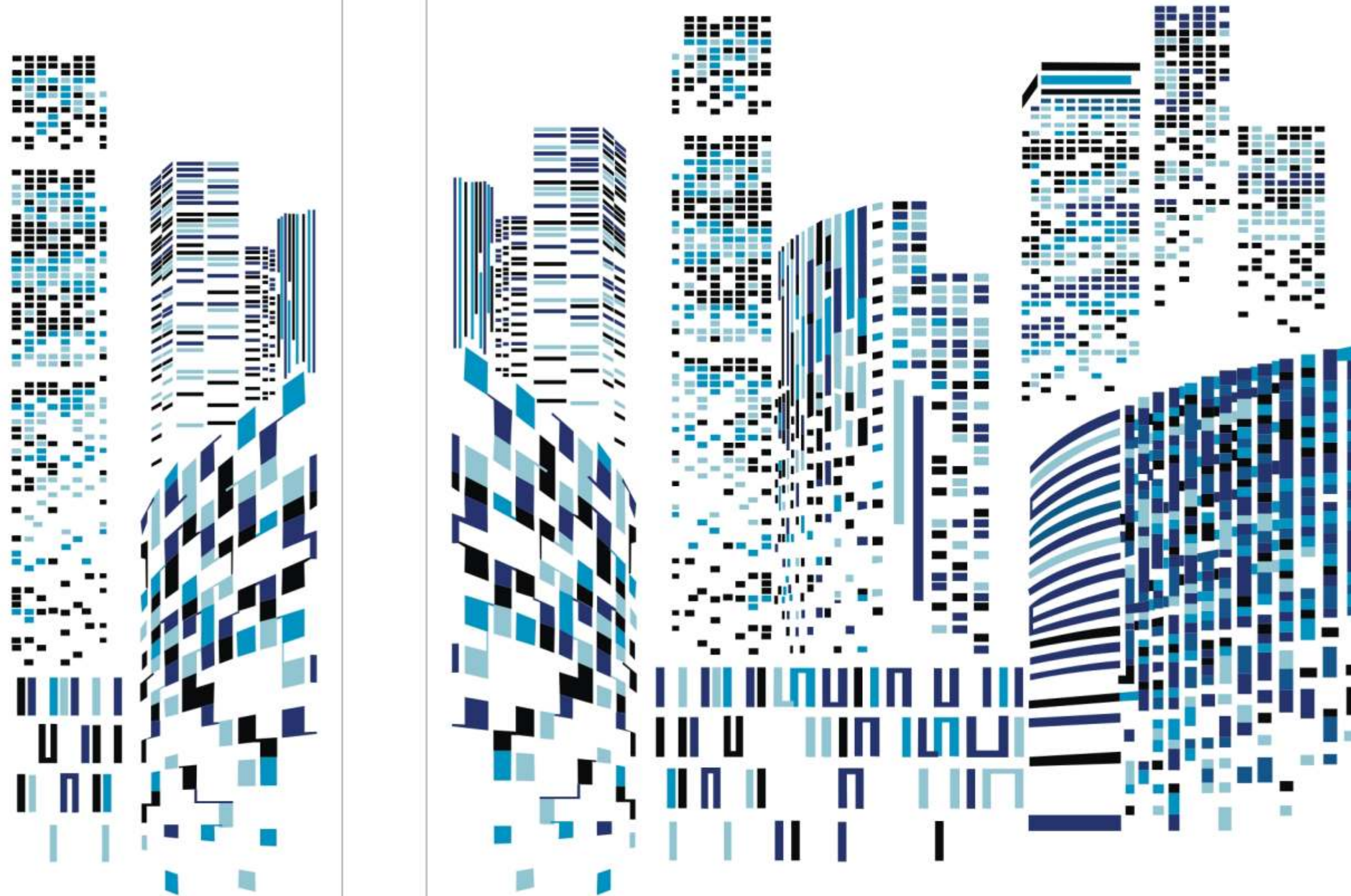
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XCL
Exterior
Compact
Laminate



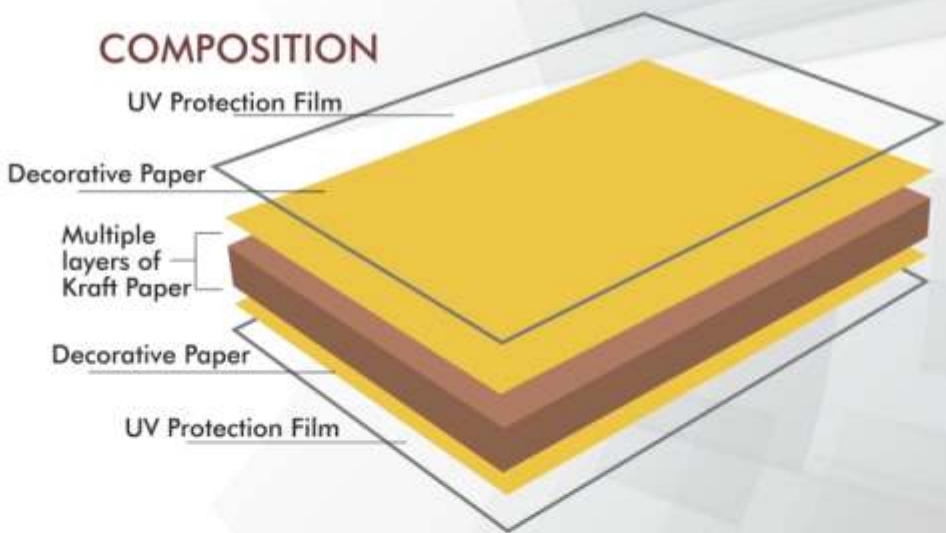
The New Frontier of
FACADES



COMPACT LAMINATE XCL

Royale Touche Exterior panels are high pressure structured laminates (HPL) certified for EN438-6 and are made of multiple layers of kraft paper in thickness from 3 to 30mm. They are produced in a laminate press under high pressure and temperature. Double hardened acrylic PUR resin provides extremely effective weather protection which is very suitable for Facade/Claddings, Balconies and any other outdoor application. They are ideal for use in innovative and functional ventilated Facade/Cladding system. Royale Touche XCL panels used on its own or in combination with other material determines the look and underlines the quality of a building. Ventilated Facade/Claddings are more than a design gesture. They provide energy efficiency and durability. Both the sides of these panels have decorative face.

The core is flame retardant and surface is light(UV) fast. Due to the double hardened resin they are extreme weather resistant with reaction to Fire Classification BS-1,DO



FEATURES AND BENEFITS OF XCL

- ★ Decorative
- ★ Weather Resistance
- ★ Optimal Light Fastness
- ★ Scratch Resistance
- ★ Solvent Resistance
- ★ Self Supporting
- ★ Impact Resistance
- ★ Heat Resistance
- ★ Fire Resistance
- ★ Frost Resistance
- ★ Bending Resistance
- ★ Easy to Clean and Maintain
- ★ Double Hardened
- ★ Suitable for all Exterior applications
- ★ Quick and Easy to Assemble
- ★ Increased Sound Proofing Function (upto 15Db)
- ★ Provide Wall Protection & Heat Insulation against Atmospheric Precipitation



EXTERIOR GRADE COMPACT LAMINATE SIZE : 1220mm x 2440mm & 1220mm x 3050mm			
Sl. No.	Properties	EDF Grade Specification As per EN 438 - part 6	XCL Values
1	Thickness (mm.) (max.)		
	5.00< t <8.00 (mm.)	6.00±0.40mm.	6.15 mm.
2	Length (mm.)	2440.00 + 10.00/-0.00mm.	2441.00 mm.
3	Width (mm.)	1220.00 + 10.00/-0.00mm.	1221.00 mm.
4	Edge Straightness mm. (max)	1.50 mm./m.	0.90 mm./m.
5	Edge Squareness mm. (max)	1.50 mm./m.	0.80 mm./m.
6	Flatness mm. (max)		
	2.00< t <6.00 mm.	8.00 mm./m.	4.00 mm./m.
	6.00< t <10.00 mm.	5.00 mm./m.	2.50 mm./m.
	t≥10.00 mm.	3.00 mm./m.	1.30 mm./m.
7	Flexural Modulus (min.)	9000 Mpa.	13048 Mpa.
8	Flexural Strength (min.)	80 Mpa.	143 Mpa.
9	Tensile Strength (min.)	60 Mpa.	86 Mpa.
10	Density, gm./cm3 (min.)	1.35 gm./cm3	1.45 gm./cm3
11	Resistance to impact by large diameter ball.		
	a) Drop height mm. (min.)		
	2.00< t <5.00 mm. (t=nominal thickness)	1400 mm.	1600 mm.
	t≥5.00 mm.	1800 mm.	2000 mm.
	b) Indentation dia. mm. (max.)	10 mm.	6 mm.
12	Resistance to wet conditions		
	a) Mass increase (%) max.		
	2.00< t <5.00 mm. (t=nominal thickness)	10%	4%
	t≥5.00 mm.	8%	3%
	b) Appearance not worse than	Rating 4	Rating 5
13	Dimensional stability at elevated temperature		
	2.00< t <5.00 mm. (t=nominal thickness)		
	a) Longitudinal, % max	0.30%	0.14%
	b) Transverse, % max	0.60%	0.20%
	t≥5.00 mm.		
	a) Longitudinal, % max	0.30%	0.12%
	b) Transverse, % max	0.60%	0.10%
14	Resistance to climatic shock		
	a) Appearance	Rating 4	Rating 4
	b) Flexural Strength index, min.	0.95	1.10
	c) Flexural Modulus index, min.	0.95	1.50
15	Resistance to artificial weathering (Including Light Fastness)	After 650MJ/m2 radiant Exposure (1500 hrs)	1500 hrs
	a) Gray scale rating (not worse than)	Rating 3	Rating 4
	b) Appearance (min.)	Rating 4	Rating 4
16	Resistance to UV light	After 1500 hrs Exposure	1500 hrs
	a) Gray scale rating (not worse than)	Rating 3	Rating 4
	b) Appearance (min.)	Rating 4	Rating 4
17	Spread of Flame	Class 1	Class 1

Remark : E (Exterior Grade), D (Serve Use), F (Flame Retardant Grade)



