

EXTERIOR GRADE COMPACT LAMINATE
Technical Specifications as per EN 438

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./cm ³ (min.)	1.35 gm./cm ³	1.45 gm./cm ³
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.
12	b) Indentation dia. mm. (max.)	10 mm.	6 mm.
	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
15	c) Flexural Modulus index, min.	0.95	1.50
	Resistance to artificial weathering (Including Light Fastness)	After 650MJ/m ² radiant Exposure (1500 hrs)	1500 hrs
	a) Gray scale rating (not worse than)	Rating 3	Rating 4
16	b) Appearance (min.)	Rating 4	Rating 4
	Resistance to UV light	After 1500 hrs Exposure	3000 hrs
	a) Gray scale rating (not worse than)	Rating 3	Rating 4
17	b) Appearance (min.)	Rating 4	Rating 4
	Spread of Flame	Class 1	Class 1

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

