

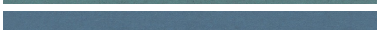


Product Data Sheet

1. Production Information

FORESCOLOR is Engineered Wood which has unique color and texture. Its unique appearance and consistent COLOR distribution from surface to all the way through allows various visual effect and extensively diverse in design concept. Natural wood and eco friendly raw materials enable users to apply it for all application in enclosed interior space.

FORESCOLOR

		Thickness(mm)					On Request	
							FR	NAF
	RED	5	8 / 9			18 / 19		
	ORANGE	5	8 / 9			18 / 19	v	v
	YELLOW	5	8 / 9			18 / 19		
	GREEN	5	8 / 9			18 / 19		
	BLUE	5	8 / 9			18 / 19		
	BROWN	5	8 / 9			18 / 19		
	LIGHT GRAY	5	8 / 9			18 / 19	v	v
	GRAY	5	8 / 9			18 / 19	v	v
	BLACK	5	8 / 9	12	15	18 / 19	v	v

* The formaldehyde emission of FORESCOLOR is classified E0 grade according to Korean Standard.

2. Application



• Hotel, Restaurant Interior
• Interior material for commercial or office facilities



• Door, Moulding



Furniture, Interior decoration



• Kitchen, Bathroom,
Wall Panel Interior



• Exhibition booth,
Stage, Sign



• Toy, Educational tool

3. Technical Specifications

Attribute Classification			Standard Figures				
Properties	Standard	Unit	5	9	12	15	18
Thickness	EN 324-1	mm	5	9	12	15	18
Density	EN 323	LB/FT ³	49.94	47.45	46.20	44.95	44.95
Moisture Content	EN322	%	7 ± 2.0				
Thickness Swelling/24hr	EN 317	%	18	12	10	8	8
Internal Bond	EN 319	PSI	145	116.05	116.05	116.05	108.78
Bending Strength	EN 310	N/mm ²	35	35	35	35	30
Modulus of Elasticity	EN 310	PSI	435,114	435,114	406,106	391,602	391,602
Swelling After Cyclic Test	EN 321	%	25	19	16	15	15
Internal Bond After Cyclic Test	EN 321	N/mm ²	0.35	0.30	0.25	0.20	0.20



Product Data Sheet

4. General Specifications

			Standard Figures				
		Unit	5	9	12	15	18
Tolerances (Thickness)	EN 324-1	Inch	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2
Tolerances (Length & Width)	EN 324-1	mm/m	± 3.0	± 3.0	± 3.0	± 3.0	± 3.0
Tolerances (Squareness)	EN 324-2	Inch/m	Less than 0.07874"				
Tolerances (Edge Strightness Length&Width)	EN 324-2	mm/m	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5	≤ 1.5
Tolerances (Density)	EN 323	%	7	7	7	7	7
Formaldehyde Emission (E0 Class)	EN 120	PPM	0.5 (better than CARB phase 2)				

5. Advantage



Moisture Resistant

- FORESCOLOR has high moisture resistance due to high melamine content of resin used.
- It can be used where humidity is a concern such as kitchens, bathrooms with the correct finishing.



Color Throughout

- Consistent Color distribution from surface to all the way through.



Non Toxic

- The formaldehyde emission of FORESCOLOR is classified E0 grade.(with desicator method)
- Non toxic and excellent color-fastness due to use of special resin and organic dye.



Tool Friendly

- Due to its excellent density profile and high melamine content of resin used, there is little or no sanding required after machining.

On request



Flame Retardant

- Flame Retardant is also available (Class B-s2, d0)



No Added Formaldehyde

- No formaldehyde resin is used during the manufacturing process.

6. Certification

