

Product Data Sheet

FORESCOLOR

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.

		Thickness (mm)							ON REQUEST / ● FR ● NAF		
	BLACK	5	8	9	12	15	16	18	19	●	●
	GRAY	5	8	9	12	15	16	18	19	●	●
	LIGHT GRAY	5	8	9	12	15	16	18	19	●	●
	BROWN	5	8	9				18	19		
	BLUE	5	8	9				18	19		
	GREEN	5	8	9				18	19		
	RED	5	8	9				18	19		
	ORANGE	5	8	9				18	19	●	●
	YELLOW	5	8	9				18	19		

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

www.forescolor.com

*The color of surface gets darker for additional painting.

1. 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

2. Technical Specifications

Attribute Classification			Standard Figures				
Properties	Standard	Unit	5	8/9	12	15/16	18/19
Thickness	EN 324-1	mm	5	8/9	12	15/16	18/19
Density	EN323	Kg/m3	820	780	760	760	740
Moisture Content	EN322	%	7 ± 2.0				
Thickness Swelling/24hr	EN317	%	18	12	10	8	8
Internal Bond	EN319	N/mm2	≥1.00	≥0.80	≥0.80	≥0.75	≥0.75
Bending Strength	EN310	N/mm2	≥34	≥34	≥32	≥30	≥30
Modulus of Elasticity	EN310	N/mm2	≥3000	≥3000	≥2800	≥2700	≥2700
Swelling After Cyclic Test	EN321	%	25	19	16	15	15
Internal Bond After Cyclic Test	EN321	N/mm2	0.35	0.30	0.25	0.20	0.20

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3. General Specification

Attribute Classification			Standard Figures				
Properties	Standard	Unit	5	8/9	12	15/16	18/19
Tolerances (Thickness)	EN 324-1	mm	±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	mm/m	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
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		Class E1 / Class E0 in desicator method				

4. 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.

5. Certification

