



VANACHAI GROUP PUBLIC COMPANY LIMITED

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Factory : 112 Moo 1 Tambon Banthat , Amphur Kaengkoi , Saraburi 18110 Tel. : +66(0) 3625 2132-6 Fax : +66 (0) 3625 2131

E1-High Moisture Resistance HDF Specification for Laminate Flooring

PROPERTIES	METHOD	UNIT	THICKNESS (mm)
			7.7 mm
Physical & Mechanical Properties :			
Bending strength	EN 310	N/mm ²	≥ 40
Modulus of elasticity in bending	EN 310	N/mm ²	≥ 3,000
Internal bond	EN 319	N/mm ²	≥ 1.2
Swelling in thickness , 24 hour immersion	EN 317	%	≤ 11
Internal bond after cyclic test *	EN 321	N/mm ²	≥ 0.30
Swelling in thickness after cyclic test *	EN 321	%	≤ 15
General Properties :			
Density	EN 323	kg/m ³	≥ 800
Thickness	EN 324-1	mm	± 0.2
Length and width	EN 324-1	mm per m	± 2.0
Squareness tolerance	EN 324-2	mm per m	≤ 2.0
Moisture content	EN 322	%	5 to 10
Formaldehyde Content : Class E1	EN 120	mg/100g	≤ 8.0
Formaldehyde emission : F☆☆ (E1)	JIS A1460	mg/L	≤ 1.5

Note : * = High Moisture Resistance Properties


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(Mr.Suwit Nawaphanuphak)

June 14 ,2012




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E2-HDF Specification for Laminate Flooring

PROPERTIES	METHOD	UNIT	THICKNESS (mm)
			7.7 mm
<u>Physical & Mechanical Properties :</u>			
Bending strength	EN 310	N/mm ²	≥ 40
Modulus of elasticity in bending	EN 310	N/mm ²	≥ 3,000
Internal bond	EN 319	N/mm ²	≥ 1.2
Swelling in thickness , 24 hour immersion	EN 317	%	≤ 11
<u>General Properties :</u>			
Density	EN 323	kg/m ³	≥ 800
Thickness	EN 324-1	mm	± 0.2
Length and width	EN 324-1	mm per m	+ 2.0
Squareness tolerance	EN 324-2	mm per m	≤ 2.0
Moisture content	EN 322	%	5 to 10


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