

Rigid Board Specification&Technical Data Sheet

ELEMENTS .55

Warranty- Subject to limitations and conditions.

Commercial:	7 Years		
Specification		Reference	Standard Value
Size:	180*1220mm	EN 428	Pass
Thickness:	5.0mm+1mm IXPE	EN 428	Pass
Wear Layer:	0.55mm	EN 428	Pass
Inspecting Items		Reference	Standard Value
Appearance			
Damage, Chipping, Wrinkle, Pin hole		GB/T 4085 & EN 649:1996	Not allowed
Delamination, Peeling			Not allowed
Impurity, Bubble, Scratch, Glue Mark, Discolor, Dent, Stain, etc.			Not Visually Apparent (View from 70cm, not more than 1 defect of diameter less < 1mm)
Dimension Characteristic and Deviation Requirement			
Dimension Deviation	Deviation of Length	EN 649:2011 EN 427	Deviation ≤0.13% of nominal length up to 0.5mm.
	Deviation of Width		Nominal Width +/- 0.20 mm
	Deviation of Thickness	EN 649:2011 EN 428	Average value ±0.15mm
Squareness	EN 649:2011 EN 427	≤400mm, ≤0.25mm; >400mm, ≤0.35mm;	
Straightness		≤400mm, ≤0.25mm; >400mm, ≤0.35mm;	
Physical Character			
Slip resistance		EN13893	Class DS
Wear resistance		EN 660-2	Group T
Surface Peel Strength		EN 431	≥ 30 N
Residual Indentation (average)		ISO 24343-1	≤ 0.15 mm
Dimensional Stability After Exposure to Heat		ISO 23999	Heated to 65°C, ≤ 0.15%
Curling After Exposure to Heat		ISO 23999	Heated to 65°C, ≤ 2 mm
Color Fastness		EN ISO 105-B02: 2013	≥ Grade 6
Water Absorbtion			≤ 3%
Toxic Element Limit			
Chloroethylene/(mg/kg)		GB/T 4085	≤ 5
Heavy Metals (mg/Kg product) (Critical)	Total Lead (Pb)	ASTM F963-11, CPSC-CH-E1002-08.3 section II.A	≤ 100
	Lead (Pb)		≤ 90
	Mercury (Hg)		≤ 60
	Chromium (Cr)		≤ 60
	Arsenic (As)		≤ 25
	Antimony (Sb)		≤ 60
	Barium (Ba)		≤1000
	Selenium (Se)		≤500
	Cadmium (Cd)		≤ 75
TVOC (mg/m³)		CDPH Standard Method V1.1-2010	Per Section 4.0; CDPH Standard Method V1.1-2010
Formaldehyde emission (mg/m³)		CDPH Standard Method V1.1-2010	Per Section 4.0; CDPH Standard Method V1.1-2010
Ortho-Phthalate Content (% w/w) (Critical)	Dibutyl phthalate (DBP), Di(2-ethyl hexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP)	CPSC-CH-C1001-09.3 with GC-MS analysis	Sum < 0.1% w/w
	Di-ido-nonyl phthalate (DINP), Di-n-OCTYL- phthalate (DNOP), Di-ido-decyl phthalate (DIDP)		Sum < 0.1% w/w
	DnHP(DHEXP), DIBP, DnPP(DPENP), DCHP		Sum < 0.1% w/w
Remark			
a) All the above inspected items are required to be done under temperature 23 ±2°C, RH =50 ±10%, and all specimens should be put at least 24 hours in same circumstance.			
Please note the use of anti scratch furniture protection pads are required to prevent your newley installed floor from scratching.			