

Rigid Board Specification&Technical Data Sheet

Atomic .30

Warranty- Subject to limitations and conditions.

Residential:	15 Year	Light Commercial:	5 Years
Specification		Reference	Standard Value
Size:	180*1220mm	EN 428	Pass
Thickness:	4.2mm+1mm IXPE	EN 428	Pass
Wear Layer:	0.3mm	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 Absorbion		≤ 3%

Toxic Element Limit			
氯乙烯单体 Chloroethylene/(mg/kg)		GB/T 4085	≤ 5
Heavy Metals (mg/Kg product) (Critical)	Total Lead (Pb)	ASTM F963-11, CPSC-CH-E 1002-08.3 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/m ³)		CDPH Standard Method V1.1-2010	Per Section 4.0; CDPH Standard Method V1.1-2010
Formaldehyde emission (mg/m ³)		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
	Dido-nonyl phthalate (DINP), Di-n-OCTYL- phthalate (DNOP), Dido-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.*****