

Specification & Technical Data Sheet		TERRA EARTH COLLECTION Cascade	
Warranty - Subject to limitations and Conditions-			
Residential	10 Year		
Commercial	N/A		
Specification		Reference	Standard Value
Size:	1227*187mm	EN 428	Pass
Thickness:	2mm	EN 428	Pass
Wear Layer:	0.2mm	EN 428	Pass
Inspecting Items		Reference	Standard Value
Appearance			
Damage, Chipping, Winkle, 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 Characteristics			
Slip resistance		EN13893	Class DS
Wear resistance		EN 660-2	≥800
Surface Peel Strength		EN 431	≥ 5.5kgf/5cm
Residual Indentation (average)		ISO 24343-1	≤ 0.15 mm
Dimensional Stability After Exposure to Heat		ISO 23999	Heated to 80°C, ≤ 0.15%
Curling After Exposure to Heat		ISO 23999	Heated to 80°C, ≤ 2 mm
Color Fastness		EN ISO 105-802: 2013	≥ Grade 6
Water Absorption			≤ 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
	SOL Lead (Pb)		≤ 90
	SOL Mercury (Hg)		≤ 60
	SOL Chromium (Cr)		≤ 60
	SOL Arsenic (As)		≤ 25
	SOL Antimony (Sb)		≤ 60
	SOL Barium (Ba)		≤1000
	SOL Selenium (Se)		≤500
SOL 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-iso-nonyl phthalate (DINP), Di-n-OCTYL-phthalate (DNOP), Di-iso-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.***			