Product: PET Flooring

Brand(s): droplank blue and design floor blue

Key features: 100% Non-PVC

Plasticizer free

Halogen free

Super wear resistance (0.3mm PET wearlayer performs even better than 0.55mm PVC wearlayer)

Technical Data Sheet:

No.	Test item(s)	Test method(s)	Test condition	Requirement(s) of EN 16511:2014 +A1:2019	Test result(s)
1	Length	ISO 24337:2019	Specimen: 1220mm×180.30mm×2.5mm, 5pcs	l_{nom}≤1500mm: Δl≤0.5mm	Δl: 0mm
2	Width			Δw_{avg}≤0.10mm	Δw_{avg}: 0.00mm
				w_{max}-w_{min}≤0.20mm	w_{max}-w_{min}: 0.20mm
3	Thickness			Δt_{avg}≤0.50mm	Δt_{avg}: 0.00mm
				t_{max}-t_{min}≤0.50mm	t_{max}-t_{min}: 0.15mm
4	Squareness			q_{max}≤0.20mm	q_{max}: 0.15mm
5	Straightness			s_{max}≤0.30mm/m	s_{max}: 0.15mm/m
6	Flatness		Specimen: 1220mm×180.30mm×2.5mm, 5pcs	Length flatness: concave ≤0.50% convex ≤1.00%	Length flatness(X): concave / convex+0.14%
				Width flatness: concave ≤0.15% convex ≤0.20%	Width flatness(Y): concave-0.09% convex+0.03%
7	Openings		Specimen: 1220mm×180.30mm×2.5mm, 8pcs	Ave.: ≤0.15mm Individual values: ≤0.20mm	Ave.: 0.10mm Max.: 0.15mm
	Height difference			Ave.: ≤0.10mm Individual values: ≤0.15mm	Ave.: 0.10mm Max.: 0.15mm

Technical Data Sheet:

8	Wear resistance	EN 13329:2006 +A1:2008 Annex E	Specimens: 3pcs 100mm×100mm×2.5mm, Type of wheel: CS-0 Load: 5.4±0.2N/wheel Abrasive paper: S-42	≥600 cycles (class 31)	7000 cycles
9	Impact resistance	EN 13329:2006 +A1:2008 Annex F	Specimens: 180mm×180mm×2.5mm, 5pcs Mass of steel ball: 324±5g Diameter of steel ball: 42.8±0.2mm	Impact Height: ≥800mm (class 31)	Impact Height: 900mm, no visible damage.
10	Dimensional stability	EN ISO 23999:2018	Specimens: 610mm×180mm×2.5mm, 3pcs Condition: 23±2°C, 50±5%RH, 24h → 80±2°C, 360min → 23±2°C, 50±5%RH, 24h	≤ 0.25 % (class 31)	Average: X Direction: 0.05% Y Direction: 0.05%
11	Residual indentation	EN ISO 24343-1: 2012	Specimen: 60mm×60mm×2.5mm, 3pcs Applied load: 500N Load time: 150min Recovery time: 150min	≤0.3mm (class 31)	Average: 0.01mm
11	Resistance to staining	EN 438-2: 2016 +A1:2018 Section 26	Specimen: 180mm×180mm, 5pcs	Groups 1 and 2: Grade 1 Groups 3: Grade 3 (class 31)	Rating 5: No change (See Annex A)
12	Effect of Simulated Movement of Furniture Leg	EN 424:2001	Specimen thickness: 2.5mm Foot type and applied mass: Type 0 (32kg) Testing speed: 0.20m/s	No requirement (class 31)	X direction: No visible damage Y direction: No visible damage
13	Castor Chair Test	EN 425:2002	Load: 90kg Type of castors: Type W Cycles: 25000	10000 cycles (class 31)	After 25000 cycles, no visible damage
14	Micro-Scratch Resistance	EN 16094:2021 Procedure A	See Annex B	No requirement (class 31)	MSR-A1 (See Annex B)