SPC TECHNICAL SPECIFICATIONS

EN 16511

Loose-laid panels-Semi-rigid multilayer modular floor (MMF) covering panels with wear resistant top layer.

	PRODUCT SPECIFICATION	STANDARD	4 mm 0,15 mm SPC Click + 1 mm IXPE
	Total Thickness	EN 17539	5,0 mm
	Thickness of Wear Layer		0,15 mm
	Total Weight	EN ISO 23997	8.176 g/m²
	Usage Classification	EN 16511 / EN ISO 10874	Class 21
	Plank Size	EN 17539	Click: 177,8 x 1.219,2 mm Click: 228,6 x 1.219,2 mm Click: 305 x 610 mm Click: 450 x 800 mm Click: 152,5 x 610 mm
	Underlayment (Optionally IXPE)		Yes
	Surface Treatment (UV)		Yes
	Beveled Edges		Yes - Micro Bevel
	Dimensional Stability	EN ISO 23999	≤ 0,15 %
	Curling	EN ISO 23999	≤ 2 mm
	Reaction to Fire	EN 13501-1	B_{fl}-s1
	Residual Indentation	EN ISO 24343-1	≤ 0,30 mm
	Furniture Leg	EN ISO 16581 (foot type 0)	No requirement
	Castor Chair	EN ISO 4918	No requirement
	Locking Strength	ISO 24334	Longitudinal joint: 6,5 kN/m Trans joint: 4,9 kN/m
	Impact Sound Reduction with 1mm IXPE Underlay	EN ISO 717-2	20 dB
	Light Fastness	EN ISO 105-B02:2014 (procedure 3)	≥ 6 (Blue Wool Scale)
	Resistance to Staining	EN 438-2	Water, coffee and cleaning solution (10 min): Grade 4
	Micro Scratch Resistance	EN 16094 (Procedure A)	Gloss change ≤ 2,5 units at 60°
	Impact Resistance	EN 13329:2006+A1:2008 Annex F (big ball)	≥ 400 mm
	Abrasion Resistance	ISO 24338 Procedure A	≥ 500 cycles
	Water Proof Panel	EN 317	Mass change ≤ 2 % Thickness swelling ≤ 1 %
	Thermal Resistance	EN 12664	0,0160 m²K/W
	Slip Resistance	DIN 51130	R9 or R10 possible due to coating selection
	Static Electrical Propensity	EN 1815	≤ 2,0 kV
STC	STC Sound Testing with 1mm IXPE Underlay	ASTM E90 / E413	STC 60
IIC	IIC Sound Testing with 1mm IXPE Underlay	ASTM E492 / E989	IIC 66
	Formaldehyde	EN 717-1:2014	E1 – below detection limit (Formaldehyde Free)
	Pentachlorophenol (PCP)	CP 491510-01	PCP Free (< 0,1 mg/kg)
	Phthalates	CPSC-CH-C1001.09	Phthalate Free (< 60 ppm)
	FloorScore Indoor Air Quality Certified	SCS-EC10.3 / SCS-105	Yes
	TVOC	EN 16516, ISO 16000	TVOC 13 µg/m³ (28 d)
	Antibacterial	ISO 22196	Yes
	Recycled Content	EN ISO 14021	25 % (Pre-Consumer)
	EPD	ISO 14025 / EN 15804+A2	Yes
	Floor Heating System	Yes suitable, see separate installation instructions	Max. 29 °C