BIYORK HYDROGEN PRO 2MM TECHNICAL DATA PRODUCT INFORMATION Plank Size Edge Profile Finish Underlayment **Wear Layer Gloss Level** Installation **Radiant Heat** (Length x Width x Height) Approved for 48.3" X 7.36" X 2mm Overall Micro Bevel N/A 12mil / 0.3mm 4-6° Glue-Down Water-Based 1227 X 187 X 2mm Embossed Systems **WARRANTY PACKAGING** Light Planks Per **Carton Dimensions Square Footage** Carton Residential **Square Footage Per Carton Cartons Per Pallet** Commercial Carton (Length x Width x Height) Weight Per Pallet 25 Years 5 Years 24 59.27 SF 1235 X 194 X 52mm 20.23 KG 50 2963.5 SF **PHYSICAL PROPERTIES**

TESTING

Method

ASTM F2199-09

Reference

Expansion After Exposure to Heat (50°C)

Reference	ASTM Norms	Result
Determination of Thickness	ASTM F387-17	Tmax-Tmin≤0.4mm, ΔTavg: ≤0.2mm
Determination of Squareness	ASTM F2055-17	Qavg≤0.20mm
Determination of Straightness		Savg≤0.20mm
Thickness + Wear Layer	ASTM F410	0.011 in. (0.27mm) minimum
Standard Specification for Solid Vinyl Floor Tile	ASTM F1700	Class III Type B
Resistance to Heat	ASTM F1514	ΔE ≤ 8
Resistance to Light	ASTM F1515	ΔE ≤ 8
Residual Indentation	ASTM F1914	Residual Indentation ≤ 8%
Residual Indentation Static Load	ASTM F970-17	250 psi, ≤ 0.005 inch
Castor Chair Resistance	NALFA LF 01-2011	No Visible Damage
Wear Resistance	ASTM D4060-19	Wear index < 50.6 (1000* mg/cycle)
Dimensional Stability and Curling	ASTM F2199-09	Average: $MD \le 1.0 \text{ mm/m}$, $CD \le 1.0 \text{ mm/m}$
		Curling ≤ 1.0mm
Classification of Smoke Development (Flammability Test)	ASTM E648-10	Class I
Vertical Burning	UL 94-2013	V-0
Slip Resistance	ASTM C1028-07	Dry ≥ 0.8, Wet ≥ 0.6
Activity of Antimicrobial	ASTM 2180 - 18	Staphylococcus Aureus: ≥ 95%
		Escherichia Coli: ≥ 95%
		Candida Albicans: ≥ 98%
		Only for antibacterial products for 6 months
Formaldehyde Emission	ASTM D6007 - 14	Not Detected (≤60 PPM)
Resistance to Chemicals	ASTM F925-13	Rating 0: No Change
Soluble Heavy Metal	ASTM F963	Not Detected (≤ 60PPM)
VOC	Floorscore	Pass
Phthalate	ASTM F963	Not Detected (≤ 60PPM)

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Result

≤0.4mm/m