

# BIYORK HYDROGEN PRO 3MM TECHNICAL DATA

## PRODUCT INFORMATION

Plank Size (Length x Width x Height)	Edge Profile	Finish	Underlayment	Wear Layer	Gloss Level	Installation	Radiant Heat
48.3" X 7.36" X 3mm 1227 X 187 X 3mm	Micro Bevel	Overall Embossed	N/A	20mil / 0.5mm	4-6°	Glue-Down	Approved for Water-Based Systems

## WARRANTY

## PACKAGING

Residential	Light Commercial	Planks Per Carton	Square Footage Per Carton	Carton Dimensions (Length x Width x Height)	Carton Weight	Cartons Per Pallet	Square Footage Per Pallet
30 Years	10 Years	16	39.52 SF	1235 X 194 X 52mm	20.34 KG	50	1976 SF

## PHYSICAL PROPERTIES

Reference	Method	Result
Expansion After Exposure to Heat (50°C)	ASTM F2199-09	≤0.4mm/m

## TESTING

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	0.018 in. (0.48mm) 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 ≤ 1.0 mm/m, CD ≤ 1.0 mm/m Curling ≤ 1.0mm
Classification of Smoke Development (Flammability Test)	ASTM E648-10	Class I
Vertical Burning	UL 94-2013	V-0
Surface Burning	CAN/ULC-S102:2018+R1:2019	Flame Spread Rating: 20 Smoke Developed Classification: 330
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)

[www.BIYORKCANADA.COM](http://www.BIYORKCANADA.COM)

Biyork product specifications are subject to change.  
Please always refer to a physical sample for reference.

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