

# BIYORK HYDROGEN 5 TECHNICAL DATA

## PRODUCT INFORMATION

Plank Size (Length x Width x Height)	Edge Profile	Finish	Underlayment	Wear Layer	Gloss Level	Installation	Radiant Heat
48" X 7.2" X 5mm 1220 X 183 X 5mm	Micro Bevel	Overall Embossed	1mm IXPE	12mil / 0.3mm	4-6°	Uniclic	Approved

## 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
25 Years	5 Years	11	26.43 SF	1238 X 198 X 59mm	20.34 KG	50	1321.5 SF

## TESTING

Reference	ASTM Norms	Test Request		Result
Expansion After Exposure to Heat (50°C)	ASTM F2199-09	≤0.6mm/m	≤0.6mm/m	Pass
Impact Sound Reduction (IIC)	ASTM E492-09	Based on actual data	Based on actual data	IIC=72*
Sound Transmission Class (STC)	ASTM E90-09	Based on actual data	Based on actual data	STC=68*

\*Sound Ratings were achieved in a lab environment. For accurate sound ratings, on-site testing must be done.

Reference	ASTM Norms	Test Request	Result
Determination of Thickness	ASTM F387-17	Tmax-Tmins≤0.5mm, ΔTavg: ≤0.5mm	Pass
Determination of Squareness	ASTM F2055-17	Qmax≤0.25mm	Pass
Determination of Straightness		Smax≤0.25mm	Pass
Thickness + Wear Layer	ASTM F410	0.011 in. (0.27mm) minimum	Pass
Resistance to Heat	ASTM F1514	ASTM F1700, 6.9 Not greater than 8.0 after 7 day exposure to 158°F (70°C)	Pass
Resistance to Light	ASTM F1515	ASTM F1700, 6.10 Not greater than 8.0 after a 300 hour exposure	Pass
Residual Indentation	ASTM F1914	Residual Indentation ≤ 8%	Pass
Formaldehyde Emission	ASTM D6007-14	Follow Test Report	Not Detected
Residual Indentation Static Load	ASTM F970-17	250 psi, ≤ 0.005 inch	Pass
Castor Chair Resistance	NALFA LF 01-2011	No Visible Damage	No Visible Damage
Wear Resistance	ASTM D4060-19	Follow Test Report	Pass
Dimensional Stability and Curling	ASTM F2199-09	Max : MD&CD :1.67mm/m <sup>2</sup> Curling: 2.0mm	Pass
Classification of Smoke Development (Flammability Test)	ASTM E648-10	Follow Test Report	Class I
Vertical Burning	UL 94-2013	Follow Test Report	V-0
Surface Burning	CAN/ULC-S102:2018+R1:2019	Flame Spread Rating: 15 Smoke Developed Classification: 340	
Slip Resistance	ASTM D2047-11	Follow Test Report	Dry: > 0.6
Peel Resistance	ISO 24345-2006	X Direction: 100N/50mm Y Direction 75N/50mm	Pass
Resistance to Chemicals	ASTM F925-13	Slight Change maximum in Surface Dulling, Surface Attack, or Staining	Rating: 0 No Change
Soluble Heavy Metal	ASTM F963	≤100PPM	Pass
VOC	Floorscore	Pass	Pass
Dimensional Stability of Resilient Floor Tile after Exposure to Heat	ASTM F2055-17	Squareness = 0.010 inch (0.25 mm) maximum) Size and Tolerance = + 0.016 inch/linear foot (0.4 mm/305)	Pass
Phthalate	ASTM F963	≤1000PPM	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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