

BIYORK | HydroGen 5 | Technical Data (PLANK)

Plank Size (Length x Width x Height)		Bevel	Finish	Underlayment	Gloss Level	Installation	Overall Thickness	Wear Layer Thickness	Radiant Heat
1220mm*180mm*4.0mm		Microbevel	Overall Embossed	IXPE 1mm	5-7°	14F Click Floating	5.0mm	0.3mm	Approved for water(temperatures50C) based radiant heat systems
WARRANTY:		PACKAGING:					PALLET:		
Residential	Light Commercial	Planks/ Carton	Coverage/ Carton	Carton Dimensions (Length x Width x Height)		Carton Weight	Cartons/ Pallet	Coverage/ Pallet sqft	
25years	5years	11	26.43sqft	1233mm*192mm*58mm		20.6kg	50boxes	1321.7sqft	
TESTING:									
Reference		ASTM Norms			Test Request		Result		
Expansion After Exposure to Heat (50°C)		ASTM F2199-09			≤ 0.6mm/m		Pass		
Impact sound reduction (IIC)		ASTM E492-09			Based on actual data		IIC=72		
STC rating		ASTM E90-09			Based on actual data		STC=68		
Reference		ASTM Norms			Test Request		Result		
Determination of Thickness:		ASTM F387 - 17			Tmax-Tmin≤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. (0.27 mm) 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 2 Curling: 2.0mm		Pass		
Classification of Smoke Development (Flammability Test):		ASTM E 648-10			Follow Test Report		Class I		
Vertical Burning		UL 94-2013			Follow Test Report		V-0		
Slip Resistance:		ASTM C1028-07			Follow Test Report		Pass		
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		FLOOR SCORE			PASS		PASS		
Dimensional Stability of Resilient Floor Tile after Exposure to Heat		ASTM F2055			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)		

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