

BIYORK HydroGen 5

Go Ahead Make a Splash

Introducing our Waterproof Vinyl floors, functional aesthetics made for living. Whether you choose to install in an entrance, basement, bathroom, or kitchen, HydroGen can handle anything life throws at it.

Essentially Speaking

HydroGen 5 offers an essential thickness of 5mm, giving the floor great stability, durability, and comfort with our ultra quiet, ultra silent UnderTone pad.

Beauty You Can Feel

From the surface, HydroGen was created to mimic a natural hardwood floor. Our Innovative True Touch Texture technology gives you the feeling of a natural floor while adding a strong protective layer for wear resistance.

Specifications

100% Waterproof Flooring

7" Width x 48" Length x 5mm Overall Thickness

0.3mm Wear Layer

IIC Rating 72

80ft x 80ft Max Install Area w/o Transition

Stability With temperature Swings of -30°C to +50°C

Embrace Silence With Biyork UnderTone Underlayment For Maximum Comfort

Angle/Angle System

On, Above & Below Grade Floor

Radiant Heat System Compatible



Accessories



T-mold



Reducer



Stairnose

www.biyorkcanada.com

Biyork product specifications are subject to change. Please refer to a physical sample for reference. All rights reserved 2024.



Silk Palace



Morning Splendour



Cashmere



Gold Coast



Liberty



Nickel



Overcast



Everest

Standard Features



Simply Waterproof



True Touch Texture



UnderTone Underlay

SIMPLY WATERPROOF FLOORS

HydroGen 5

BIYORK HYDROGEN 5 TECHNICAL DATA										
PRODUCT INFORMATION										
Plank Size (Length x Width x Height)		Edge Profile	Finish	Underlayment	Wear Layer	Gloss Level	Construction	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°	SPC	I4F Click Float	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-Tmins0.5mm, 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/m² 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)		