

BIYORK HydroGen 6

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.

Walking On Air

HydroGen 6 now provides an overall thickness of 6mm, giving the floor an extra dimension of stability, durability, and comfort.

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

Plank: 7" Width x 48" / 60" Length x 6mm Overall Thickness

Tile: 12" Width x 24" Length x 6mm Overall Thickness

0.5mm 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

Unilin Unipush System

On, Above & Below Grade Floor

Radiant Heat System Compatible



Accessories



T-mold



Reducer



Stairnose

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



Lily Canvas



Midday Sunrise



Almond Paste



Raw



Rock Cliffs



Playful Otter



Nudie



Dusty



Outback



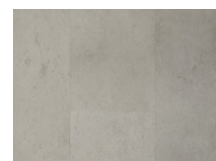
Chop



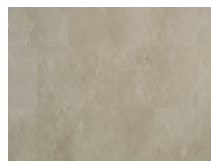
Combed Cotton



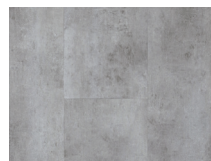
Porcelain



Chalk



Bourbon



Clay



Marble

Standard Features



Simply Waterproof



True Touch Texture



UnderTone Underlay

SIMPLY WATERPROOF FLOORS
HydroGen 6

BIYORK HYDROGEN 6 PLANK 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" X 6mm 1200 X 180 X 6mm	Micro Bevel	BP Embossed	1mm IXPE	20mil / 0.5mm	5-7"	SPC	Unipush Click Float	Approved
60" X 7" X 6mm 1524 X 180 X 6mm								

WARRANTY

PACKAGING

Residential	Commercial	Length	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	48"	10	23.64 SF	1230 X 189 X 63mm	22 KG	45	1063.8 SF
		60"	8	23.25 SF	1530 X 189 X 51mm			1046.25 SF

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*
Sound Transmission Class (STC)	ASTM E90-09	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	0.018 in. (0.48mm) 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
Slip Resistance	ASTM D2047-11	Follow Test Report	Dry: > 0.7
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)

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BIYORK HYDROGEN 6 TILE TECHNICAL DATA

PRODUCT INFORMATION

Plank Size (Length x Width x Height)	Edge Profile	Finish	Underlayment	Wear Layer	Gloss Level	Construction	Installation	Radiant Heat
24" X 12" X 6mm 600 X 300 X 6mm	Micro Bevel	Stone Texture	1mm IXPE	20mil / 0.5mm	5-7"	SPC	Uniclic Angle/Angle Click Float	Approved

WARRANTY

PACKAGING

Residential	Commercial	Length	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	24"	10	19.38 SF	610 X 309 X 63mm	18.5 KG	54	1046.52 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	0.018 in. (0.48mm) 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
Slip Resistance	ASTM D2047-11	Follow Test Report	Dry: > 0.7
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)

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