BIYORK HYDROGEN 7 TECHNICAL DATA

PRODUCT INFORMATION

TROBECT INFORMATION										
	c Size dth x Height)	Edge Profile	Finish	Underlayment	Wear Layer	Gloss Level	Installation	Radiant Heat		
60" X 9" X 7mm 1524 X 228 X 7mm		Painted Bevel	Embossed-in-Register *Early Dawn - Smooth Finish	1.5mm IXPE	20mil / 0.5mm	5-7°	I4F Click Float	Approved		
WARRANTY		PACKAGING								
Residential	Commercial	Planks Per Carton	Square Footage Per Carton	Carton Dimensions (Length x Width x Height)		Carton Weight	Cartons Per Pallet	Square Footage Per Pallet		
35 Years	10 Years	6	22.44 SF	1531 X 2	35 X 44mm	24 KG	60	1346.4 SF		

TESTING

Reference	ASTM Norms	Test Request	Result				
Expansion After Exposure to Heat (50°C)	ASTM F2199-09	≤0.6mm/m	≤0.15mm/m				
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=73*				
*Cound Detices were selicued in a lab anticomment For assumets accordingly and the testing accept to done							

*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-Tmin≤0.5mm, ΔTavg: ≤0.5mm	Tmax-Tmin≤0.4mm, ΔTavg: ≤0.2mm	
Determination of Squareness	ASTM F2055-17	Qmax≤0.25mm	Qmax≤0.1mm	
Determination of Straightness		Smax≤0.25mm	Smax≤0.1mm/m	
Thickness + Wear Layer	ASTM F410	0.018 in. (0.48mm) minimum	0.018 in. (0.48mm) minimum	
Resistance to Heat	ASTM F1514	ASTM F1700, 6.9 Not greater than 8.0 after 7 day exposure to 158°F (70°C)	ΔE ≤ 8	
Resistance to Light	ASTM F1515	ASTM F1700, 6.10 Not greater than 8.0 after a 300 hour exposure	ΔE ≤ 8	
Residual Indentation	Residual Indentation ASTM F1914 Residual Indentation ≤ 8%		Residual Indentation ≤ 8%	
Formaldehyde Emission	ASTM D6007-14	Follow Test Report	Not Detected	
Residual Indentation Static Load	ASTM F970-17	250 psi, ≤ 0.005 inch	250 psi, ≤ 0.005 inch	
Castor Chair Resistance	NALFA LF 01-2011	No Visible Damage	No Visible Damage	
Wear Resistance	ASTM D4060-19	Follow Test Report	Wear Index<50.6 (1000*mg/cycle)	
Dimensional Stability and Curling	ASTM F2199-09	Max : MD&CD :1.67mm/m ²	Average: MD: 0.6mm/m	
Differisional Stability and Curling		Curling: 2.0mm	CD:0.5mm/m, Curling: 0.4mm	
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: 0.86 Wet: 0.65	
Peel Resistance	ISO 24345-2006	X Direction: 100N/50mm	X Direction: 150N/50mm,	
reel Resistance		Y Direction 75N/50mm	Y Direction 125N/50mm	
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	Not Detected (≤60PPM)	
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)	≤ 0.010 in/lin ft ≤0.08%)	
Phthalate	ASTM F963	≤1000PPM	Not Detected (≤60PPM)	

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