

# HydroGen 5 Pro Technical Data - 2mm

PRODUCT INFORMATION:								
Plank Size (Length x Width x Height)	Bevel	Finish	Underlayment	Gloss Level	Installation	Overall Thickness	Wear Layer Thickness	Radiant Heat
1227mm x 187mm x 2.0 mm	Micro Bevel	Antique Wood Texture	NO	4-6 °	Stick	2.0 mm	0.3 mm	Approved for water based radiant heat systems
WARRANTY:		PACKAGING:				PALLET:		
Residential	Commercial	Planks/ Carton	Coverage/ Carton	Carton Dimensions (Length x Width x Height)		Carton Weight	Cartons/ Pallet	Coverage/ Pallet sqft
25	5	24 pcs	59.274 sqft	1234mm x 193mm x 52 mm		20.23 kgs	50 cts	2963.722 sqft
PHYSICAL PROPERTIES:								
Reference	Method					Result		
Expansion After Exposure to Heat (50°C)	ASTM F2199-09					≤ 0.4mm/m		
TESTING:								
Reference	ASTM Norms				Result			
Determination of Thickness:	ASTM F387 - 17				$T_{max} - T_{min} \leq 0.4 \text{ mm}, \Delta T_{avg} \leq 0.2 \text{ mm}$			
Determination of Squareness:	ASTM F2055 - 17				$Q_{avg} \leq 0.20 \text{ mm}$			
Determination of Straightness:	ASTM F2055 - 17				$S_{Avg} \leq 0.20 \text{ mm/m}$			
Thickness, wear layer:	ASTM F410				0.011 in. (0.27 mm) minimum			
Resistance to heat:	ASTM F1514				$\Delta E \leq 8$			
Resistance to light:	ASTM F1515				$\Delta E \leq 8$			
Residual indentation:	ASTM F1914				Residual Indentation ≤ 8%			
Residual Indentation Static Load:	ASTM F970 - 17				250 psi, ≤ 0.005 inch			
Castor Chair Resistance:	NALFA LF 01 - 2011				No visible damage			
Wear Resistance:	ASTM D4060 - 19				Wear index < 50.6 (1000* mg/cycle)			
Dimensional Stability and Curling:	ASTM F2199 - 09				Average : MD ≤ 1.0 mm/m, CD ≤ 1.0 mm/m, Curling ≤ 1.0mm			
Classification of Smoke Development (Flammability Test):	ASTM E 648 - 10				Class I			
Vertical Burning :	UL 94 - 2013				V-0			
Slip Resistance:	ASTM C1028 - 07				Dry ≥ 0.8, Wet ≥ 0.6			
Activity of Antimicrobial :	ASTM 2180 - 18				Staphylococcus aureus ≥ 95% Escherichia coli ≥ 95% Candida albicans ≥ 98% <small>Only for antibacterial products for 6 months</small>			
Formaldehyde Emission:	ASTM D6007 - 14				Not Detected (≤60 PPM)			
Resistance to Chemicals:	ASTM F925 - 13				Rating 0: No Change			
Soluble Heavy Metal:	ASTM F963				Not Detected (≤ 60PPM)			
VOC:	FLOOR SCORE				PASS			
Phthalate:	ASTM F963				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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