

TECHNICAL DATA SHEET POWERHOLD PLUS UNDERLAYMENT

Material:	6 mm (5 ply) & 9mm (7 ply) Plywood; 100% birch hardwood construction
Glue:	Exterior Grade; Passes APA Boil Test
Formaldehyde:	<0.05ppm - Meets California Air Resources Board (CARB) Regulation 93120 phases I & II.
Dimensions:	Available in 4' x 4', 4' x 5' & 4' x 8' panel - 6mm and 4' x 4' - 9mm Precision square cut for a TileTite fit. Each panel ultrasonically tested for voids.
Nailing Pattern:	Each panel is printed with a proprietary nailing pattern for proper installation.
Core:	Rugged solid puncture resistant Birch hardwood core.
Thickness:	<ul style="list-style-type: none"> • 6mm (1/4") for vinyl floors and general purpose use. • 9mm (3/8") for ceramic tile areas and where a subfloor build-up is required.
Surface Treatment:	Fine sanded face and touch sanded back to provide a smooth surface and consistent thickness.
Moisture Content:	6.5% (50%RH @ 20°C)
Stain Resistance:	Non-staining veneers and ink; compatible with all vinyl floor coverings.
Density:	41.8 lbs/cu.ft.
*Internal Bond:	375.0 PSI
*Modulus of Elasticity:	Perpendicular: 796,000 PSI Parallel: 2,048,000 PSI
*Compression: (Crushing Strength)	3996 lbs/in ²
*Janka Ball Hardness:	1370 lbs.
*Thickness Swell:	
2-Hour Soak:	4.5%
24-Hour Soak:	8.0%
*Linear Expansion:	Perpendicular % Change: 0.077%@ 50% - 90% Relative Humidity Parallel % Change: 0.086@ 50% - 90% Relative Humidity
Thermal Resistance: (R-Value)	6mm - 0.31 ft ² -hr-°F/BTU 9mm - 0.43 ft ² -hr-°F/BTU
Flame Spread Rating:	80 - 200
Flame Spread Class:	Class III or Class C
Standards:	Meets the requirements of: American Plywood Association APA PS 1-07; American Society for Testing and Materials *ASTM D1037; Canadian Standards Association CSA 0153
Vinyl Manufacturers Recommendations:	Meets requirements of Armstrong, Congoleum, Mannington and Tarkett.
Ceramic Tile:	9mm Matrixx meets TCNA F 160-07 for installation of ceramic tile over wood sub-floors.
LACEY ACT:	POWERHOLD PLUS Hardwood Underlayment is sourced in compliance with Lacey Act.