

TECHNICAL DATA SHEET POWERPLEX UNDERLAYMENT

Material:	5.5 mm (5 ply) ; birch face veneer/3 ply core of hardwood construction/moisture resistant adhesive.
Glue:	Exterior Grade; Passes APA Boil Test
Formaldehyde:	Meets California Air Resources Board (CARB) Regulation 93120.
Dimensions:	Available in 4' x 4' & 4' x 8' panel. 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 hardwood core.
Thickness:	5.5mm for vinyl floors and general purpose use.
Surface Treatment:	Fine sanded face to provide a smooth surface and consistent thickness.
Moisture Content:	7.0% (50%RH @ 20°C)
Stain Resistance:	Non-staining veneers and ink; compatible with all vinyl floor coverings.
Density:	30.9 lbs/cu.ft.
*Internal Bond:	360.0 PSI
*Modulus of Elasticity:	Perpendicular: 110,000 PSI Parallel: 1,130,000 PSI
*Compression: (Crushing Strength)	2398 lbs/in ²
*Janka Ball Hardness:	731 lbs.
*Thickness Swell: 24-Hour Soak: Edge Swell	7.8%
*Linear Expansion:	Perpendicular % Change: 0.106% @ 50% - 90% Relative Humidity Parallel % Change: 0.109 @ 50% - 90% Relative Humidity
Thermal Resistance: (R-Value)	0.28 ft ² -hr-°F/BTU
Flame Spread Rating: Flame Spread Class:	80 - 200 Class III or Class C
Standards:	ASTM D 1037 ASTM E - 84
Vinyl Manufacturers Recommendations:	Meets performance of Armstrong, Congoleum, Mannington and Tarkett.
LACEY ACT:	POWERPLEX Hardwood Underlayment is sourced in compliance with Lacey Act.

