

## TECHNICAL DATA SHEET CERTIPLY UNDERLAYMENT

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