

EVOPANEL BY BORD PRODUCTS

TECHNICAL SPECIFICATIONS



The EVOPANEL by Bord Products range is designed for superior durability. This technical data outlines the material's performance. All tests are conducted in accordance with Japanese Industrial Standards (JIS).

Property	Test Method	Result
Dimensional Stability	Heated to 100°C for 15 minutes	MD -7.0% to 0.0% TD -2.0% to 2.0%
Tensile Strength	JIS K6732	MD > 24.5N TD > 19.6N
Elongation at Break	JIS K6732	MD > 100% TD > 50%
Weather Resistance	JIS B7753 (Open-flame sunshine carbon-arc)	2000 hours with no visible change
Chemical Resistance	Applied to surface, observed after 6 hours	No visible change for: <ul style="list-style-type: none">• 1% Sodium Carbonate• 5% Acetic Acid• 1% Hydrochloric Acid• Petroleum Benzine
Smudge Resistance	Applied to surface, observed after 6 hours	No visible change for: <ul style="list-style-type: none">• Coffee• Soy Sauce• Worcestershire Sauce
Detergent Resistance	Applied to surface, observed after 6 hours	No visible change for: <ul style="list-style-type: none">• Alkaline Detergent• Neutral Detergent• Petroleum Benzine
Solvent Resistance	Rubbing test (10 cycles)	No visible change for: <ul style="list-style-type: none">• Ethanol• Lacquer Thinner
Abrasion Resistance	JAS Abrasion Test C	Withstands over 200 cycles
Scratch Resistance	Steel wool rubbing test (20 cycles)	No visible change

Dimensional Stability: Measures the material's ability to maintain its shape under heat. Low % indicates minimal expansion or contraction.
Tensile Strength & Elongation at Break: Determines flexibility and durability when subjected to force.
Weather Resistance: Evaluates performance under prolonged UV exposure.
Chemical, Smudge & Detergent Resistance: Ensures that common household chemicals and stains do not affect the surface.
Solvent Resistance: Verifies resistance against strong solvents that could degrade the material.
Abrasion & Scratch Resistance: Confirms the surface's durability under repeated wear and friction.

Abbreviations & Standards:
JIS – Japan Industrial Standard
JAS – Japan Agricultural Standard
MD – Machine Direction
TD – Transverse Direction