

RAILDEC-TE

RAILDEC-TE is a very lightweight vacuum-formable decorative laminate fulfilling the most stringent requirements of flammability, and smoke and toxic gas emission for transportation vehicle interiors, and is available in a continuous roll format for economy of use.

WEIGHT	RAILDEC-TE is a very lightweight laminate that helps reduce the weight, flammability, smoke and toxic gas emissions, and cost of interior parts.	
COLOR	RAILDEC-TE is available in solid colored or printed sheets and continuous material. Custom colors and patterns are available upon request.	
TEXTURE	RAILDEC-TE is available in a number of standard sheet textures, continuous Mesa-O and Mesa-C textures (see the Skyline Products texture chart), and custom textures may be available upon request. All textures exhibit excellent texture retention.	
GLOSS	RAILDEC-TE is available in both high and medium gloss variations.	
CLEANING	Because of its ¹ Tedlar [®] surface, RAILDEC-TE possesses exceptional resistance to staining, solvents, chemicals, and abrasion, and is very easy to clean with common cleaners.	
QUALITY	Founded on years of experience, high quality materials, and a very controlled process, the color, texture, and integrity of this product is guaranteed.	
ADHESIVES	RAILDEC-TE is available bare without adhesive, with strippable pressure sensitive adhesive, and with heat activated adhesive.	
PROPERTIES	RAILDEC-TE is flexible and formable, and can be applied by hand, vacuum bagged, and hot vacuum-applied to a variety of parts.	
TYPICAL APPLICATIONS	<ul style="list-style-type: none"> Bulkheads Bullnose Ceiling Panels Closets Crew Rests Door Linings Dado Panels 	<ul style="list-style-type: none"> Galley Walls Lavatory Interiors & Exteriors Partitions Personal Service Units Stowage Bins Window Panels Window Shades
FORMAT	RAILDEC-TE is available in sheets nominally 48, 54, and 60 inches (1219, 1372, and 1524 mm) wide, by 96 inches (2438 mm) long, and continuous rolls 50 yards (45 meters) in length, and 54 and 60 inches (1372 and 1524 mm) in width. Other sizes available upon request.	

¹Tedlar[®] is a registered trademark of DuPont
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CHARACTERISTIC	TEST METHOD	UNIT	TEST VALUE	
THICKNESS bare with standard HAA with standard PSA	Micrometer after texturing	inch / mm	0.008±0.0008 / 0.20±0.020 0.010±0.0010 / 0.25±0.025 0.011±0.0011 / 0.28±0.028	
WEIGHT bare with standard HAA with standard PSA	ASTM D 461 (11)	oz/yd ² / g/m ²	7.1±0.7 / 240±24 8.7±0.9 / 295±30 9.9±1.0 / 335±34	
ADHESION OF LAYERS	DMS 2290 4.5.4 and 3.4.4	pass / fail	pass	
COLORFASTNESS TO LIGHT	DMS 2292 4.5.2 and 3.4.2 FTMS No. 191 Method 5660	pass / fail	pass (no change after 50 hours)	
FLAMMABILITY	ASTM E-162	ls	peak / total	≤10 ⁰
SMOKE DENSITY	ASTM E-662	Ds	@ 4 min / max @ 4 min / max @ 4 min / max	≤58 / ≤58 ¹ ≤ 100 / ≤100 ² ≤57 / ≤57 ³
TOXIC GAS EMISSION	Bombardier SMP 800-C	ppm	CO CO ₂ NO+NO ₂ (NO _x) SO ₂ HCl HF HBr HCN	<3500 ¹ <90000 ¹ <100 ¹ <100 ¹ <500 ¹ <100 ¹ <100 ¹ <100 ¹
APPLICATION TEMPERATURE with standard HAA with standard PSA	Experiment	°F / °C	194°F - 250°F / 90°C - 120°C 70°F - 80°F / 21°C - 27°C ⁴	

⁰Tested on a 0.125" thick polyester-fiberglass panel (SMC) with a spray contact adhesive

¹Tested on a 0.125" thick phenolic sandwich panel with a spray contact adhesive

²Tested on a 0.125" thick phenolic sandwich panel with heat activated adhesive

³Tested on a 0.125" thick phenolic sandwich panel with pressure sensitive adhesive

⁴Temperatures up to 160°F (70°C) can be used with vacuum