

RAILDEC-RP

RAILDEC-RP is a flexible, adhesive-backed, flame-barrier decorative laminate for covering or recovering a variety of flat or simply contoured transit vehicle interior parts that must meet the U. S. Department of Transportation requirements for flammability and smoke emission, Bombardier toxic gas emission, or French standard NF F 16-101 class M1F2. RAILDEC-RP is graffiti and stain resistant and is the same as RAILDEC-TE, RAILDEC-TG, and RAILDEC-SF LT in surface appearance and surface properties.

WEIGHT	RAILDEC-RP is a lightweight laminate that helps reduce the weight, flammability, smoke and toxic gas emissions of interior parts.	
COLOR	RAILDEC-RP is available in solid colored or printed sheets. Custom colors and patterns are available upon request.	
TEXTURE	RAILDEC-RP is available in a number of standard sheet textures (see the Skyline Products texture chart), and custom textures may be available upon request.	
GLOSS	RAILDEC-RP is available in both high and medium gloss variations.	
CLEANING	Because of its ¹ Tedlar [®] surface, RAILDEC-RP 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.	
ADHESIVE	RAILDEC-RP is available with a high-tack pressure sensitive adhesive that will stick to most surfaces, including textured low surface energy materials such as Tedlar [®] covered RAILDEC products, and Melamine high pressure laminates.	
PROPERTIES	RAILDEC-RP is flexible and can be applied by hand, roller, or roll laminator to a variety of flat or simple contoured parts.	
TYPICAL APPLICATIONS	Bulkheads Ceilings	Partitions Walls
FORMAT	RAILDEC-RP is available in sheets nominally 48, 54, and 60 inches (1219, 1372, and 1524 mm) wide, by 96 inches (2438 mm) long. Other sizes available upon request.	

¹Tedlar[®] is a registered trademark of DuPont
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CHARACTERISTIC	TEST METHOD	UNIT	TEST VALUE	
THICKNESS with standard PSA	Micrometer after texturing	inch / mm	0.013 ± 0.0013 / 0.33 ± 0.033	
WEIGHT with standard PSA	ASTM D 461 (11)	oz/yd ² / g/m ²	13.8 ± 1.4 / 467 ± 46.7	
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 ^{0,1}
SMOKE DENSITY	ASTM E-662	Ds	@ 4 min / max	≤100 / ≤100 ^{0,1}
TOXIC GAS EMISSION	Bombardier SMP 800-C	ppm	CO CO ₂ NO+NO ₂ (NO _x) SO ₂ HCl HF HBr HCN	<3500 ^{0,1} <90000 ^{0,1} <100 ^{0,1} <100 ^{0,1} <500 ^{0,1} <100 ^{0,1} <100 ^{0,1} <100 ^{0,1}
FIRE BEHAVIOR	NF F 16-101	Classification	M1F2 ^{0,1}	
APPLICATION TEMPERATURE with standard PSA	Experiment	°F / °C	70°F - 80°F / 21°C - 27°C	

⁰ Expected performance on a 0.125" thick polyester-fiberglass panel

¹ Expected performance on a 0.125" thick RAILDEC-SF LT panel