

RAILDEC-TG

RAILDEC-TG is a lightweight integrally colored glass fiber reinforced decorative laminate, which is dimensionally stable and extremely durable, and is available in a continuous roll format for economy of use. RAILDEC-TG fulfills the most stringent requirements of flammability, and smoke and toxic gas emission for transportation vehicle interiors.

WEIGHT	RAILDEC-TG is the lowest weight of this type of laminate, it is very resistant to impact, scrape, and abrasion, and performs well in areas of extreme abuse.		
COLOR	RAILDEC-TG is available in solid colored or printed sheets, and solid colored continuous material. Custom colors and patterns are available upon request. RAILDEC-TG is also integrally colored to match the surface for superior damage hiding character.		
TEXTURE	RAILDEC-TG 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.		
GLOSS	RAILDEC-TG is available in both high and medium gloss variations.		
CLEANING	Because of its ¹ Tedlar [®] surface, RAILDEC-TG 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-TG is available bare without adhesive and with strippable pressure sensitive adhesive. Recommendations for customer applied adhesives are available upon request.		
PROPERTIES	RAILDEC-TG is dimensionally stable yet flexible, and can be applied by hand or with vacuum to flat and two-dimensionally contoured parts.		
TYPICAL APPLICATIONS	Bulkheads	Dado Panels	Oven Doors
	Closets	Galley Walls	Partitions
	Crew Rests	Lavatory Walls	Flat Ceilings
FORMAT	RAILDEC-TG 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 PSA	Micrometer after texturing	inch / mm	0.015±0.0015 / 0.38±0.038 0.018±0.0018 / 0.46±0.046	
WEIGHT bare with standard PSA	ASTM D 461 (11)	oz/yd ² / g/m ²	14.5±1.5 / 490±49 17.3±1.7 / 585±59	
ADHESION OF LAYERS	DMS 2290 4.5.4 and 3.4.4	pass / fail	pass	
ABRASION RESISTANCE	DMS 2290 4.5.5 FTMS No. 191 Method 5306	weight lost (milligrams)	< 20	
MAR RESISTANCE	ASTM D 5178	kilograms	> 10	
DIMENSIONAL STABILITY	ASTM D 1204 60 min / 203°F	%	0 (no change)	
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	Is	peak / total	≤10 ⁰
SMOKE DENSITY	ASTM E-662	Ds	@ 4 min / max @ 4 min / max	≤70 / ≤70 ¹ ≤ 100 / ≤100 ²
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 PSA	Experiment	°F / °C	70°F - 80°F / 21°C - 27°C	

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 pressure sensitive adhesive