

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	<table border="0" style="width: 100%;"> <tr> <td>Bulkheads</td> <td>Dado Panels</td> <td>Oven Doors</td> </tr> <tr> <td>Closets</td> <td>Galley Walls</td> <td>Partitions</td> </tr> <tr> <td>Crew Rests</td> <td>Lavatory Walls</td> <td>Flat Ceilings</td> </tr> </table>	Bulkheads	Dado Panels	Oven Doors	Closets	Galley Walls	Partitions	Crew Rests	Lavatory Walls	Flat Ceilings
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

RAILDEC-TG

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 SURFACE	NF T 30-038	-	Class 0	
ABRASION RESISTANCE	NF T 30-015	mg	≤ 15 at 100 revolutions	
MAR RESISTANCE	ASTM D 5178	kilograms	> 10	
DIMENSIONAL STABILITY	ASTM D 1204 60 min / 203 °F	%	0 (no change)	
COLORFASTNESS TO LIGHT	NF G 07 -012-2	-	≥ 6 @ 150 hours	
CIGARETTE COMBUSTION	NF EN 438	-	Degree 5	
SCRATCH RESISTANCE	NF T 51-113	µm	≤ 25 at 0.5 N ≤ 25 at 1.0 N ≤ 50 at 1.5 N	
GRAFFITY RESISTANCE	NF F 31-112	-	G1	
DETERGENT RESISTANCE	RCO 504	-	no change	
FLAMMABILITY	ASTM E-162	-	Is ≤ 35 ^{0,1,2,3}	
FLAME SPREAD	BS 476 Part 7: 1997	-	Class 1Y ³	
SMOKE EMISSION	ASTM E-662 NF P A258	Ds	@ 2 min @ 4 min	≤ 100 ^{0,1,2,3} ≤ 200 ^{0,1,2,3}
SMOKE EMISSION	BS 6853: 1999 Annex B.4.2	-	A ₀ (on) A ₀ (off)	6.5 ³ 7.0 ³
FIRE RATING CLASSIFICATION	NF F 16-101	-	M1F1 ³	
OXYGEN INDEX	NF T 51071	%	≥ 26	
TOXIC GAS EMISSION	Bombardier SMP 800-C	pass / fail	pass	
TOXIC GAS EMISSION	BS 6853: 1999 Annex D	-	R Value 0.8 ³	
ADHESIVE SHELF LIFE	Experiment	months	12 months @ 39 - 81°F / 4 - 27°C / ≤ 75%RH	
ADHESIVE PEEL STRENGTH with standard PSA	ASTM D6862 90° Peel from Aluminum	lbs / inch	5.1 ³ (after 168 hours)	
APPLICATION TEMPERATURE with standard PSA	Experiment	°F / °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 pressure sensitive adhesive

³Tested on a 2 mm thick aluminum sheet with pressure sensitive adhesive

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