

AIRDEC-F1

AIRDEC-F1 is a very lightweight, pliable, vacuum-formable decorative laminate fulfilling the most stringent flammability, heat release rate, and smoke and gas emission requirements for aircraft interiors, and is available in a continuous roll format for economy of use.

WEIGHT	AIRDEC-F1 is a very lightweight laminate that helps reduce the weight of aircraft interiors.														
FIRE SAFETY	AIRDEC-F1 easily meets the FAA, JAA, Boeing, and Airbus, flammability, heat release rate, and smoke and toxic gas emission requirements.														
COLOR	AIRDEC-F1 is available in solid colored or printed sheets and continuous material. Custom colors and patterns are available upon request.														
TEXTURE	AIRDEC-F1 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	AIRDEC-F1 is available in both high and medium gloss variations.														
CLEANING	Because of its ¹ Tedlar [®] surface, AIRDEC-F1 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	AIRDEC-F1 is available bare without adhesive, with strippable pressure sensitive adhesive, and with heat activated adhesive.														
PROPERTIES	AIRDEC-F1 is flexible and formable, and can be applied by hand, vacuum bagged, and hot vacuum-applied to a variety of parts.														
TYPICAL APPLICATIONS	<table border="0"> <tr> <td>Bulkheads</td> <td>Galleys</td> </tr> <tr> <td>Bullnose</td> <td>Lavatories</td> </tr> <tr> <td>Ceilings</td> <td>Partitions</td> </tr> <tr> <td>Closets</td> <td>Personal Service Units</td> </tr> <tr> <td>Crew Rests</td> <td>Stowage Bins</td> </tr> <tr> <td>Door Linings</td> <td>Window Panels</td> </tr> <tr> <td>Dado Panels</td> <td>Window Shades</td> </tr> </table>	Bulkheads	Galleys	Bullnose	Lavatories	Ceilings	Partitions	Closets	Personal Service Units	Crew Rests	Stowage Bins	Door Linings	Window Panels	Dado Panels	Window Shades
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FORMAT	AIRDEC-F1 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 9.4±0.9 / 320±30 10.0±1.0 / 340±34
ADHESION OF LAYERS	DMS 2415 3.5.4 and 4.5.4 DAN 419 4.1.9	pass / fail	pass
COLORFASTNESS TO LIGHT	DMS 2415 3.5.2 and 4.5.2 FTMS No. 191 Method 5660 AATCC 16-1993, Option E ASTM G 53 QUV UVA-340	pass / fail	pass (no change after 50 fading hours) DE* < 0.50 after 100 fading hours no change after 50 fading hours
HEAT RELEASE RATE	FAR/JAR 25.853 (d) FAR/JAR 25 App. F Pt. IV Boeing D6-51377 Airbus ABD0031	pass / fail	pass ^{1,2,3,4}
SMOKE DENSITY	FAR/JAR 25.853 (d) FAR/JAR 25 App. F Pt. V ASTM E-662 Boeing D6-51377 Airbus ABD0031	pass / fail	pass ^{1,2,3,4}
TOXICITY	Airbus ABD 0031 HF, HCl, HCN, SO ₂ / H ₂ S, NO / NO ₂ , CO Boeing D6-51377 Section 4.1.1 b. (1) CO, HCN, HF, HCl, SO ₂ , NOx	pass / fail pass / fail	pass ^{1,2,3,4} pass ^{1,2,3,4}
FLAMMABILITY (60 sec)	FAR/JAR 25.853 (d) FAR/JAR 25 App. F Pt. I Boeing D6-51377 Airbus ABD0031	pass / fail	pass ^{1,2,3,4}
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
ADHESIVE STRENGTH HAA and PSA	DMS 2415 3.5.5 and 4.5.5 DAN 419 4.1.11 and 4.1.12	pass / fail	pass

¹Tested on a 0.050" aluminum sheet with heat activated adhesive

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

³Tested on a 0.050" aluminum sheet with pressure sensitive adhesive

⁴Tested on a 0.125" thick phenolic sandwich panel with pressure sensitive adhesive