

AIRDEC-GE

AIRDEC-GE 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. AIRDEC-GE fulfills the most stringent requirements of heat release, smoke emission and toxicity for aircraft interiors.

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|-----------------------------|---|---------------|-------------|------------|---------|--------------|------------|------------|----------------|---------------|
| WEIGHT | AIRDEC-GE 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 | AIRDEC-GE is available in solid colored or printed sheets, and solid colored continuous material. Custom colors and patterns are available upon request. AIRDEC-GE is also integrally colored to match the surface for superior damage hiding character. | | | | | | | | | |
| TEXTURE | AIRDEC-GE 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 | AIRDEC-GE is available in both high and medium gloss variations. | | | | | | | | | |
| CLEANING | Because of its ¹ Tedlar [®] surface, AIRDEC-GE 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-GE is available bare without adhesive and with strippable pressure sensitive adhesive. Recommendations for customer applied adhesives are available upon request. | | | | | | | | | |
| PROPERTIES | AIRDEC-GE 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 |
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| FORMAT | AIRDEC-GE 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

AIRDEC-GE

| 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 |
| SCRAPE RESISTANCE | Hoffman Stylus Needle Stylus Loop Stylus | Kilograms Kilograms Kilograms | < 4 ¹ < 3 ¹ < 6 ¹ |
| IMPACT RESISTANCE | ASTM D 2794 | Inch-Pounds | > 320 ² |
| 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) |
| HEAT RELEASE | FAR 25.853 (d) FAR 25 App. F Pt. IV | pass / fail | pass ³ |
| SMOKE DENSITY | FAR 25.853 (d) FAR 25 App. F Pt. V ASTM E-662 | pass / fail | pass ³ |
| TOXICITY | ATS 1000.001 ISSUE 5 / 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 ³ pass ³ |
| FLAMMABILITY (60 sec) | FAR 25.853 (d) FAR 25 App. F Pt. I | pass / fail | pass ³ |

¹ Mounted to a 0.052" thick aluminum plate with standard PSA, and tested using a Paul N Gardner Company, Inc. model PA-2197A Balanced Beam Scrape Adhesion Tester with the stylus indicated. Failure was considered complete scrape through to the aluminum plate.

² Mounted to a 0.052" thick aluminum plate with standard PSA, and tested using a Paul N Gardner Company, Inc. SPI Modified Impact Tester with a standard 0.5 inch punch. Failure was considered to be cracking of the AIRDEC-GE material.

³ Tested on a 0.125" thick phenolic sandwich panel with standard PSA