Key advantages

Because of its durability and versatility, leather has always been a part of the world’s cultural heritage, be it in the form of vellum or parchment for writing, for footwear, or for clothing. Leather is a natural material which is permeable to air and moisture; it is supple and soft, warm, flexible and durable – its characteristic comfort properties have been appreciated since time immemorial. Uniquely developed and individual in the pattern of its pores, scars, surface structure and natural creasing, every leather is a unique piece in its own right. These features are evidence of the genuineness of this natural material. With its fine, slightly tinted lacquer finish, genuine leather is flame-resistant, lightfast, oil-resistant and water-repellent. It complies with today’s most stringent standards. The exquisite beauty and true naturalness of genuine leather is an impressive and important design element in aircraft interiors. Easy to clean and care for, leather retains its original beauty for a very long time.

Qualities

Calando (Article 9556 LS)
Calando has an inimitably sensual surface texture that radiates warmth and adds a touch of luxury to any cabin interior. It is a voluminous leather grade with a silky, pleasantly soft and natural hand for coziness and comfort. The uniform structure is amplified with embossing, accenting the leather with a supple crimped grain. With a thickness of 1.4 mm, Calando combines softness and stability, making it robust and dimensionally stable.

Classic (Article 9361 LS)
Thanks to its fine, smooth surface, Classic has a very stylish and elegant look and feel. With its suppleness and soft glow, it emphasizes the magic of sleekness. Classic is 1.1 mm thick. This long-life natural product owes its round hand to the pleasant fullness of the fiber structure.

Crescendo (Article 9549 LS)
The surface of Crescendo reveals the authentic structure of the hide, accenting the beauty of natural leather. With a thickness of 1.1 mm, it has a soft hand and exhibits excellent functionality. A special process with a balanced varnish finish makes Crescendo a hardwearing, easy-to-maintain upholstery material that preserves the natural traits of genuine leather.

Conbrio (Article 9543 LS)
The balanced depth and intensive structure of Conbrio emphasizes the expressiveness of leather. The refined surface manifests longevity and character. Conbrio guarantees a precision cut and is wear-resistant. It is 1.1 mm thick and despite processing preserves a soft hand.

Specifications

Rawhides
Mainly Central European cattle hides.

Tanning
Mineral tannage with chromium sulfate.

Finishing
The surface is finished with a water-soluble pigmented lacquer resulting in excellent fastness properties.
Dyeing
Dyed through with azo dyes.

Colors
The Calando, Classic, and Crescendo qualities are available in 48 standard colors with a minimum order of 1 hide. A three-hide minimum applies to custom colors. The minimum quantity for Conbrio is considerably higher and depends on the application. Please contact us for an estimate.

Design options
Lantal leather grades can also be perforated or embossed with logos or other custom design elements. Leather is highly adaptable to your livery and corporate identity.

Perforations can either extend through the entire thickness of the leather or be limited to dimpling (semi-perforation). For both processes, the hides must be halved.

Perforation patterns A1, A2, B1, G1 and dimple patterns PR1 and PR2 indicate different hole sizes and pitches.

Even though perforation removes some leather, this does not affect the hide’s tear resistance.

Weight (±10% tolerance)
Calando: 1200 g/m², 35.4 oz/sq.yd.
Classic: 800 g/m², 23.6 oz/sq.yd.
Crescendo: 800 g/m², 23.6 oz/sq.yd.
Conbrio: 800 g/m², 23.6 oz/sq.yd.

Thickness (±0.1 mm tolerance)
Calando: 1.4 mm, 0.055 in.
Classic: 1.1 mm, 0.043 in.
Crescendo: 1.1 mm, 0.043 in.
Conbrio: 1.1 mm, 0.043 in.

Average hide size (approx.)
Calando: 5 – 5.5 m², 53 – 59 sq.ft.
Classic: 5 – 5.5 m², 53 – 59 sq.ft.
Crescendo: 5 – 5.5 m², 53 – 59 sq.ft.
Conbrio: 4.5 – 5 m², 48 – 53 sq.ft.

Flammability, smoke/toxicity
Permanently flame-resistant in accordance with FAR 25.853, 12 sec. vertical, meets the Airbus specifications for smoke and toxicity if cleaned according to Lantal cleaning recommendations.

Cleaning
Thanks to the judiciously applied finish, Lantal genuine leathers only need occasional cleaning with soapy water, followed by wiping down with clear water. No cleaning agents must be used on genuine leather upholstery. The natural beauty of the leather is preserved even after years of use.

Environmental statement
Lantal genuine leather qualities are processed according to cleantech principles, comply with the German Consumer Goods Act, and conform with EU Regulation 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Service lifetime
Approx. 6 years
The specific service lifetime depends largely on the airline’s interior philosophy (colors, quality), routing (short-haul or charter flights), geographical routes, load factors and cleaning attitudes.
<table>
<thead>
<tr>
<th>Test results</th>
<th>Test method</th>
<th>Minimum requirement</th>
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<tbody>
<tr>
<td>Color fastness to artificial light (Xenon)</td>
<td>ISO 105 B02</td>
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<tr>
<td>Color fastness to rubbing</td>
<td>ISO 11640</td>
<td>wet: 200 T./4</td>
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<td>dry: 500 T./4</td>
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<td>Flex resistance</td>
<td>ISO DP 5402</td>
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<td>Finish adhesion</td>
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<td>Tear resistance</td>
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<td>Smoke density</td>
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<tr>
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