

Leathers

Genuine leather

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

Classic (Article 9361)

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)

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)

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.

Properties

Colors

The Classic, Crescendo, and Conbrio qualities are available in 48 standard colors with a minimum order of 25 m² (Classic) or 50 m² (Crescendo). The minimum quantity for Conbrio is considerably higher and depends on the application. Please contact us for an estimate.

Fidelity

Lantal leathers are dyed through to assure excellent colorfastness.

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). Both options enhance the look of the seat; perforations have the added benefit of a moisture balancing function.

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 ($\pm 10\%$ tolerance)

Classic:	800 g/m ² , 23.6 oz/sq.yd.
Crescendo:	800 g/m ² , 23.6 oz/sq.yd.
Conbrio:	800 g/m ² , 23.6 oz/sq.yd.

Thickness (± 0.1 mm tolerance)

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.)

Classic:	5 m ² , 53 sq.ft.
Crescendo:	5 m ² , 53 sq.ft.
Conbrio:	4.8 m ² , 51 sq.ft.

Cut and sew services

As a provider of all-in-one interior solutions, Lantal can also deliver precision-cut and sewn leather seat covers and antimacassars.

For improved seating comfort and enhanced looks, Lantal can also back the leather with a graphite foam or a comfort foam.

They balance moisture and make it possible to use leathers in long-haul applications as well. For details, please refer to the Product Information that describe the seat cover lamination options.

Specifications

Flammability, smoke/toxicity

Permanently flame-resistant in accordance with FAR/CS 25.853 App F Part I. Meets the Airbus & Boeing specifications ABD0031 Rev. G / BMS8-87 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.

Service lifetime

Approx. 6 years
The specific service lifetime depends largely on the airline's interior philosophy (colors, quality), routing (short-haul/long-haul), geographical routes, load factors and cleaning attitudes.

Environmental statement

Lantal genuine leather qualities are REACH-compliant.

Test results

Colorfastness to rubbing

<i>Test method</i>	<i>Minimum requirement</i>
ISO 11640	wet: 500 T./4 dry: 2000 T./4

Flex resistance

<i>Test method</i>	<i>Minimum requirement</i>
ISO DP 5402	100,000 flexes

Finish adhesion

<i>Test method</i>	<i>Minimum requirement</i>
ISO 11644	4 N 10 mm

Tear resistance

<i>Test method</i>	<i>Minimum requirement</i>
ISO 3377	25 N

Flammability test

<i>Test method</i>	<i>Minimum requirement</i>
FAR/CS 25.853	
App F Part I	passed

Toxicity and smoke density

<i>Test method</i>	<i>Minimum requirement</i>
ABD 0031 Rev G	passed
BMS8-87	passed