

Aircraft *interiors* INTERNATIONAL

SEPTEMBER 2018

IFE special issue:

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LIFETIME PLANNING FOR THE RECYCLING AND REUSE OF AIRCRAFT CABIN PLASTICS CAN HELP PROTECT THE ENVIRONMENT AND GENERATE INCOME

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Meet **LONSOLSTICE**. A smooth aircraft flooring product line with a subtle design that has a dense cork look with small flecks of coloring to provide depth and grit. Lonsolstice is under the HALO COLLECTION and part of Lonseal's Aircraft Flooring Weight Reduction Program. Lonseal® has made their featherweight technology applicable to all existing aircraft flooring, making Lonseal a leader in aviation flooring.

- 8 ft. (2.44m) sheet widths ideal for wider-bodied planes and reduces the number of floor seams
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Visit www.LONSEAL.com to see the wide range of aircraft flooring designs and colors.
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STAND: 1100

THE PSYCHOLOGY OF COMFORT



Aircraft flooring company Lonseal has gathered aircraft interiors-specific research into passenger perception of the comfort experience. It has applied these findings in the design and launch of a new series of aircraft flooring collections: Axis, Cirrus, Halo and Mirage.

These collections consist of both embossed and smooth surfaces, with patterns and colors chosen to encourage feelings of peace and tranquility, the two biggest stimuli for passengers' well-being.

For example, the urban, earthy designs of the Halo collection help make cabins more relaxing, inspiring, and beautiful. The natural look of the collection is inspired by Japanese Zen, to reflect harmony and relaxation, while its color scheme incorporates organic accents. All flooring within these collections features Lonseal's Featherweight formulation, which reduces weight by up to a claimed 30% compared with standard flooring.

See Features on our website for a materials trends forecast

STAND: 600

Next-generation seating fabrics

The result of a collaboration between Tapis Corporation and Ultrafabrics, PromessaAV seat fabric was launched at the 2018 Aircraft Interiors Expo in Hamburg, offering what the partners say is the best aesthetic and haptic in the industry.

PromessaAV was born out of the well-established Ultraleather brand, but takes things to the next level, using a proprietary backcloth that provides greater durability, dimensional stability and recovery.

The manufacture of the new fabric uses Takumi Technology, a process that combines four layers into one unified system, ensuring enduring bond strength and

longevity without risk of delamination. This means years of active use, enduring the demanding rigors of daily travel without compromising on softness, making it arguably the most comfortable seat cover material on the market.

PromessaAV is set to become a preferred seating solution for airlines and seat manufacturers worldwide. It has been selected as the standard non-leather alternative for the LIFT B737 Tourist Class Seating, made in collaboration with Boeing. The first of these B737 Tourist Class Seats has entered into service with LOT Polish Airlines on the first of its six B737 MAX aircraft.



BETTER THAN THE REAL THING

Introducing the newest addition to Lonseal's range of aircraft flooring: Lonconrail wood effect

The Cirrus Collection by Lonseal comprises a variety of intriguingly realistic wood looks for aircraft flooring. From the intricate grain details to the unique characteristics of real woods, Lonseal develops flooring that is luxurious in style and delivers high performance and quality. The Cirrus Collection brings the timeless beauty of wood to the air cabin space, enhancing the aesthetic environment.

Lonconrail is the newest addition to the collection. It has the appearance of a natural striated wood, with a thick, combed design. The continuous brushstroke provides a soothing effect in the cabin environment, which can be a space of anxiety and stress. Lonconrail creates order in a demanding space and brings in a sense of harmony.

This new sheet vinyl flooring product visually expands the cabin space, but is also easy to keep clean and to maintain. Scuff marks are easily camouflaged and the deceptively smooth surface makes it relatively straightforward to wipe away evidence of spills and splashes.

Lonconrail is available in four colors, designed to add luxury to the cabin: 9401



The Lonconrail flooring range will officially launch in September 2018



Spiced Wine, 9402 Knight's Armor, 9403 Hickory Nut and 9404 Charcoal Blue.

The flooring material also meets key FAA requirements, including FAR 25.853a (12-second vertical flammability test) and FAR 25.793 (factor of sliding friction).

Lonseal became a leading company in the aviation industry because of the 'featherweight' nature of its aircraft flooring collections, which it claims are up to 30% lighter than standard NTF products. The lightweight materials and high strength-to-weight ratio of Lonseal's aircraft flooring ranges mean they are specified by many aircraft designers and airplane manufacturers. ✕

FEATURES (nominal data)

- Roll width:** 6ft (1.8m)
- Roll length:** 60ft (18.3m)
- Overall thickness:** 0.08in (2mm)
- Wear layer thickness:** 0.02in (0.5mm)
- Weight:** 72oz/sq yd (2,441g/m²)

LONCONRAIL HAS A NATURAL AND LUXURIOUS APPEARANCE AND OFFERS AIRLINES SEVERAL OPERATIONAL ADVANTAGES

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