

TEC-Leather

Inflight trial report



Seat cover
Literature pocket
Antimacassar

Development partnership

Lantal Textiles has a standing partnership for evaluating the performance of new products with a European-based carrier. After having undergone rigorous testing at Lantal, the new products are installed in an aircraft for an inflight trial to further evaluate the performance of those new products. This gives Lantal the reassurance that the products perform well even under heavy use in real life conditions.

The latest product tested in this manner was Lantal's new TEC-Leather.

TEC-Leather benefits

TEC-Leather is an ingenious alternative to artificial leather, composition leather and even real leather. It offers great benefits for the passenger's well-being. With its soft touch and peach skin effect, it provides a new sensorial experience. TEC-Leather also offers unmatched ease of cleaning. Most stains can be cleaned just with a dry cloth. In addition, it has high resistance to stains and dirt, therefore reducing the overall need for cleaning.



Scope of the inflight trial

TEC-Leather was installed on July 14th 2017 in an aircraft, a total of 12 seats were refitted with Lantal's new TEC-Leather, including antimacassars and literature pockets. The inflight trials concluded after 2 years in operation on June 12th 2019.

The aircraft operated short-haul flights from and to Switzerland within Europe, with approximately 6-7 cycles a day.

Inflight facts:

- 697 days in operation
- 2'676 flights
- 2'851 flight hours

Due to the very high workload of the plane, the inflight conditions can be classified as a worst-case study.

Destinations						
AMS	ARN	BHX	BIO	BRU	BTS	BUD
CDG	CPH	DRS	DUS	FRAU	GOT	GRZ
HAJ	HAM	INI	KRK	LDE	LEJ	LUX
MAD	MAN	MUC	MPX	NAP	NCE	NUE
OSL	OTP	PRG	PUY	SJJ	SKP	STR
TXL	VCE	WAW	WRO	ZAG		

Inflight results - Installation

TEC-Leather is easy to install. After a short learning curve, seats with TEC-Leather are installed faster than current seats with genuine leather. The material fits nicely on the seat.



Inflight results – After almost 10 months

After almost 10 months in use TEC-Leather still looked great!

The seat is completely clean, no stains or other soiling are visible, no sagging of the material – it kept the original look and shape.



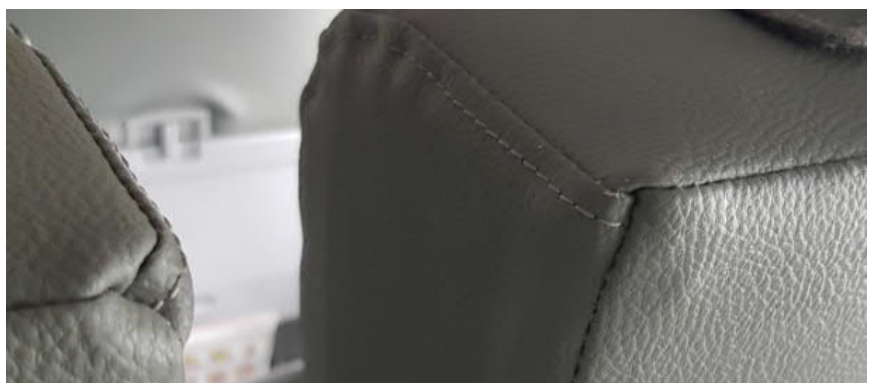
The same can be said about the literature pockets and antimacassars which were also made with TEC-Leather - no stains or other soiling and no abrasion are visible.

The feedback from the carrier's maintenance team is also very positive.

“TEC- Leather looks much better than real leather. The cover looks new even after almost a year and not loose and wrinkled. “

Inflight results – After two years

Even after 2 years in use, TEC-Leather still looks great.



The seat is completely clean, no stains or other soiling visible, no sagging – the seats retained their original shape. Only slightly visible abrasion on the most exposed top corners of aisle seats.

The overall appearance is very good.

The same can be said about the literature pockets and antimacassar - no undesired stains or other soiling and no abrasion visible.



Comparison with genuine leather seats

TEC-Leather



Genuine Leather



TEC-Leather seat covers do not show any sagging – they do not get loose and wrinkled.

Summary

The inflight trial was a great success, Lantal's TEC-Leather performed very well under extreme conditions during the two year inflight trial.