



SkyLeather

RAILWAY

SkyLeather is a
synthetic leather manufactured
by **AUTOSTOP**
AVIATION

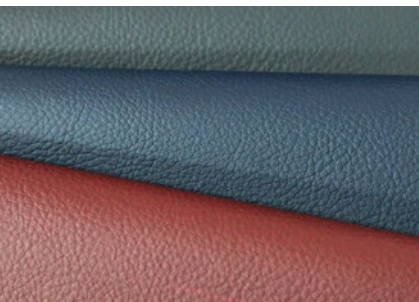
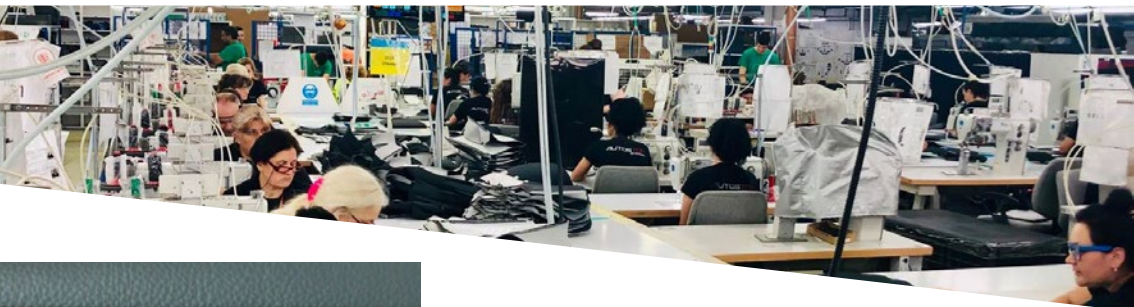


The high elasticity of **SkyLeather** simplifies the fitting process even for complex seat shapes. The cover will keep its shape and therefore look new for a longer period of time.



MANUFACTURING

Our seat cover manufacturing facility is located adjacent to the **SkyLeather** production facility, allowing increased efficiency by eliminating transportation costs to the manufacturing plant.



ENHANCED COMFORT

SkyLeather causes no skin irritation, features good thermal properties, and the suppleness of the soft surface delivers enhanced comfort for the passenger.

COLOURS

Our **SkyLeather** is available in a range of grains and colours.

AUTOSTOP AVIATION has developed a standard colour pallet but can match any colour to suit customer needs.





Synthetic
leather factory

SkyLeather

SkyLeather is an ingenious alternative to reconstructed leather and genuine leather. This innovative material offers advantages in aircraft seat maintenance and also stands out with regard to passenger well-being. As a Water Based system it is free of harmful substances and toxic by products



EASY CLEAN

The surface of **SkyLeather** is highly dirt / grime repellent, which reduces the cleaning effort. Ball-point pen marks and stain residues can be simply wiped away with a moist cloth.



EASY CLEAN

RAILWAY COST SAVINGS

Compared to leather hides, our synthetic **SkyLeather** is up to 25% lighter. This contributes to airline operators fuel saving initiatives.



SkyLeather BENEFITS:



Eco Friendly



Reach



Vegan



Azo Free



Oil Resistance



Hidrolisis Resistant



Easy to Clean



Lower CO₂



Chrome (VI) Free



High Scratch Resistance



Fire Resistant



Light Resistant



Xtreme Performance



PAHs Free



Humidity Resistance



DMF Free



Stain Resistance



Abrasion Resistant



Hypoallergenic



Formaldehyde Free

TECHNICAL DATASHEET

RAILWAY SkyLeather



Physical Properties

- Composition:
 - Coating: 100% Water Based PU
 - Backing: 100% PES
- Weight: 460 g/sqm +/- 10% g/sqm
- Thickness: 1.00 mm +/- 10% mm
- Width: 145cm

Chemical properties

- No Bisphenol A
- Low VOC (Volatile Organic Compounds)
- No Conflict minerals
- No heavy metals
- No POPs (Persistent Organic Pollutants)
- No PVC (PolyVinyl Chloride) and monomer residues
- Phthalate free
- No toxic by-products
- Azo free
- DMF free
- Formaldehyde free
- PAH free
- Chromium VI free
- Allergenic and Carcinogenic compounds free

Performance

- SkyLeather is flammability compliant:
 - EN 45545-2 HL3
 - ISO 5660-1 Heat release
 - ISO 5692-2 Smoke Density
- Abrasion Resistant:
 - ASTM D4157/ Meets and exceeds 400.000 Double Rubs (Wyzenbeek)
 - ISO 12947-4/ Meets and exceeds 400.000 cycles (Martindale)
 - ISO 5470/Meets and exceeds 4.000 cycles (Taber - 1.000g load)
- Blocks Indigo/Jeans dye
- Pen marks "Easy to Clean"
- Anti-microbial JIS-Z-2801
- Low squeaking in stick-slip tests (VDA 230-206)
- Resistant to anti-microbial cleaning agents: Alcohol 70%, Acetone, Bleach (1:5), Hydrogen Peroxide (3%)
- Tensile strength ASTM D2209: warp – 15080 kPa, weft – 10590 kPa
- Elongation ASTM D2209: warp– 170.5%, weft– 348.3%
- Breaking strength ASTM D751: warp– 441.8N, weft– 290.0N
- Resistance of colored leather to bleeding ASTM D5552
 - No migration of bleeding, no discoloration.
- Colorfastness of crocking of leather ASTM D5053 - grade 5

SkyLeather DESIGN & DEVELOPMENT

SkyLeather is available in any colour and grain.

Our in-house laboratory provides airlines a one-stop-shop service, from material design to finished seat cover manufacturing.



SUPPORTING RAILWAYS ACROSS EUROPE

Our geographical location allows us to offer railway's and seat manufacturers an unparalleled price per linear meter.



SkyLeather

IS THE FUTURE



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& SAVE YOUR AIRLINE MONEY**