Making Aircraft Quieter,
Safer and More Comfortable

Soundproofing Solutions from Skandia

The Greatest Sound of all is Silence
A QUIET AIRCRAFT MEANS A QUIET JOURNEY.

A QUIET JOURNEY MEANS YOU ARRIVE FRESH AND WITHOUT TRAVEL FATIGUE.

A JOURNEY WITHOUT TRAVEL FATIGUE MEANS YOU TRAVELED IN A QUIET AIRCRAFT.

SILENCE STARTS WITH SKANDIA
THE FASTEST WAY TO JUDGE THE QUALITY OF AN INTERIOR COMPLETION IS BY HOW QUIET IT IS. FOR OVER 30 YEARS, WE’VE BEEN LISTENING TO WHAT OUR CUSTOMERS WANT AND THEN CREATING ACOUSTICS SOLUTIONS THAT KEEP NOISE AND VIBRATION TO A WHISPER. IN FACT, OUR SOUNDPROOFING SOLUTIONS ARE THE TALK OF THE AVIATION INDUSTRY. YOU JUST CAN’T HEAR IT.

SKANDIA CAN PERFORM AN IN-FLIGHT ACOUSTICAL ANALYSIS OF YOUR CABIN’S SOUND LEVELS TO CUSTOMIZE THE BEST SOLUTION FOR YOUR AIRCRAFT.
EVERYTHING YOU NEED CUSTOMIZED IN A SINGLE PACKAGE
SKANDIA’S CUSTOMIZED COMPREHENSIVE SOLUTIONS PROVIDE OUR CUSTOMERS WITH A SINGLE TURN-KEY SYSTEM OF ALL NECESSARY SOUNDPROOFING COMPONENTS FOR THE VVIP, OEM AND REFURBISHMENT MARKETS.

BEGIN BY LISTENING
SKANDIA CAN PROVIDE AN IN-FLIGHT ACOUSTICAL ANALYSIS OF YOUR CABIN’S SOUND LEVELS TO CUSTOMIZE THE BEST SOLUTION FOR YOUR AIRCRAFT.

THE SOLUTION STARTS WITH THE FINEST MATERIALS
RADIANT PANEL CERTIFIED THERMAL & ACOUSTIC MATERIALS
SKANDIA MANUFACTURES A COMPREHENSIVE SELECTION OF AIRCRAFT THERMAL/ACOUSTIC MATERIALS INCLUDING INSULATION STRIP BLANKETS, OVERFRAME BLANKETS AND CARPET PADDING.

ALL SKANDIA SOUNDPROOFING SOLUTIONS MEET THE RADIANT PANEL FLAMMABILITY TEST FOR PART 25 AIRCRAFT, 14 CFR 25.856(A).

SKANDIA HAS COMPLETE SOUNDPROOFING SYSTEMS FOR MORE THAN 80 DIFFERENT AIRCRAFT MODELS.

FROM A TEAM YOU CAN TRUST
SKANDIA IS A LEADING AIRCRAFT INTERIORS SPECIALIST, PROVIDING INNOVATIVE PRODUCT AND EXPERT SERVICES TO THE AVIATION INDUSTRY SINCE 1983.

ALL DIVISIONS ARE SUPPORTED BY AN IN-HOUSE TEAM OF DERS AND DARS THAT EFFICIENTLY RESPOND TO OUR DIVERSE CUSTOMER BASE INCLUDING MAJOR OEMS, COMPLETION AND MODIFICATION CENTERS, AS WELL AS PRIVATE AIRCRAFT OWNERS AND UPHOLSTERY SHOPS.

TAKE ADVANTAGE OF SKANDIA’S ENGINEERED APPROACH AND APPLICATIONS EXPERIENCE TO MEET YOUR GOALS.
BY COMBINING ENGINEERING ANALYSIS WITH THE MOST EFFECTIVE MATERIALS AVAILABLE, SKANDIA DELIVERS SIGNIFICANT, QUALIFIED RESULTS.

DATA DICTATES DESIGN
THERMAL/ACOUSTIC SYSTEMS WITH MAXIMUM NOISE REDUCTION + MINIMAL WEIGHT
IN SOUNDPROI.FING ENGINEERING, SKANDIA COMBINES THE LATEST TECHNOLOGICAL ADVANCEMENTS AND INNOVATION TO REDUCE WEIGHT AND MAXIMIZE PERFORMANCE.

DATA DICTATES DESIGN
UTILIZING STATE-OF-THE-ART EQUIPMENT, SKANDIA ENGINEERS PERFORM SOUND FREQUENCY TESTS IN ORDER TO ESTABLISH AN AIRCRAFT’S UNIQUE ACOUSTICAL SIGNATURE WHILE AT CRUISE SPEED AND ALTITUDE.

OUR ENGINEERING PROCESS TREATS BOTH AIRBORNE AND STRUCTURAL-BORNE SOUND
EACH SKANDIA SOUNDPROI.FING SOLUTION IS AN EFFICIENT SYSTEM OF MATERIALS INCORPORATING DAMPING, ABSORPTION, AND BARRIER MATERIALS TO EFFECTIVELY TREAT ALL SOUND SOURCES. EACH APPLICATION IS ENGINEERED WITH PROVEN AND RELIABLE MATERIALS, ALL DELIVERED WITH FLAMMABILITY CERTIFICATION.
SKANDIA CAN PROVIDE AN IN-FLIGHT ACOUSTICAL ANALYSIS OF YOUR CABIN’S SOUND LEVELS TO CUSTOMIZE THE BEST SOLUTION FOR YOUR AIRCRAFT.

**TEST DATA. PROVEN RESULTS**

**FALCON 2000 FL360 .82 MACH**

- **dB(A) Adjusted Sound Level in Decibels**
- **dB(SIL) Sound Intensity Level in Decibels**
- **dB(A) Reduction: 2.1**
- **dB(SIL) Reduction: 5.0**

**CHALLENGER 601 FL370 .78 MACH**

- **dB(A) Adjusted Sound Level in Decibels**
- **dB(SIL) Sound Intensity Level in Decibels**
- **dB(A) Reduction: 2.2**
- **dB(SIL) Reduction: 3.3**
TEST DATA. PROVEN RESULTS

FALCON 900EX

dB (A) ADJUSTED SOUND LEVEL IN DECIBELS

dB(A) Reduction: 5.72

Global Express SN1919 dB (A) ADJUSTED SOUND LEVEL IN DECIBELS

dB(A) Reduction: 4.97

GLOBAL EXPRESS

dB (SIL) SOUND INTENSITY LEVEL IN DECIBELS

dB(SIL) Reduction: 4.40

Global Express SN1919 dB (SIL) SOUND INTENSITY LEVEL IN DECIBELS

dB(SIL) Reduction: 3.48
SKANDIA can provide an in-flight acoustical analysis of your cabin’s sound levels to customize the best solution for your aircraft.

Test data. Proven results

**Gulfstream G550**

- **DB(A) Reduction:** 2.13
- **DB(SIL) Reduction:** 4.32

**Pilatus PC-12**

- **DB(A) Reduction:** 1.5
- **DB(SIL) Reduction:** 3.8
**SK08240PSA-ADV**
High performance vibration damping material with pressure sensitive adhesive; typically used for trim panel damping.

**SK-8240FPSA-ADV**
Effective at reducing airborne sound generated by the vibration throughout the cabin.

**AEROCENTRIFUGAL FOAM SK-13200**
Lightweight, open cell foam with exceptional sound absorption. Good thermal properties with no fibers. Custom cut.

**AEROLITE AL73**
Excellent for headliner and trim panel applications and acoustic absorption.

**AEROTHERM SK-7000**

**AEROCENTRIFUGAL CARPET PAD SK-7348**
A durable pad that provides both thermal and acoustic floor level insulation. Also increasing levels of acoustic absorption, sound transmission loss, thermal insulation and cushioning effect.

**AEROBANKET SK-8013/8014**
Overframe blanket used to closeout the insulation and prevent a direct path for sound and cold into the aircraft cabin. Highly effective in reducing sound levels.