



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.**

QUIET AIRCRAFT



SILENCE  
STARTS WITH  
**SKANDIA**



QUIET JOURNEY



# AIRCRAFT SOUNDPROOFING SOLUTIONS

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.

# CUSTOMIZED SOUNDPROOFING SOLUTIONS

## 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.**

# DATA DICTATES DESIGN

## THERMAL/ACOUSTIC SYSTEMS WITH MAXIMUM NOISE REDUCTION + MINIMAL WEIGHT

IN SOUNDPROOFING 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

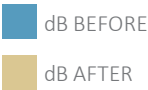
EACH SKANDIA SOUNDPROOFING SOLUTION IS AN EFFICIENT SYSTEM OF MATERIALS INCORPORATING DAMPING, ABSORPTION, AND BARRIER MATERIALS TO EFFECTIVELY TREAT ALL SOUND SOURCES. EACH APPLICATION IS ENGINEERED WITH PROVEN AND RELIABLE MATERIALS, ALL DELIVERED WITH FLAMMABILITY CERTIFICATION.

BY COMBINING ENGINEERING ANALYSIS WITH THE MOST EFFECTIVE MATERIALS AVAILABLE, SKANDIA DELIVERS SIGNIFICANT, QUALIFIED RESULTS.



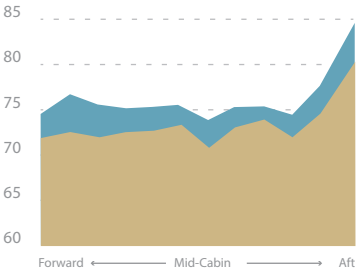
SKANDIA CAN PROVIDE AN IN-FLIGHT ACOUSTICAL ANALYSIS OF YOUR CABIN'S SOUND LEVELS TO CUSTOMIZE THE BEST SOLUTION FOR YOUR AIRCRAFT.

TEST DATA. PROVEN RESULTS

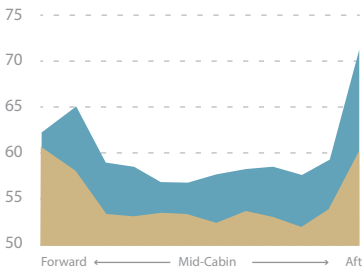


FALCON 2000  
FL360 .82 MACH

dB (A) ADJUSTED SOUND LEVEL  
IN DECIBELS



DB (SIL) SOUND INTENSITY LEVEL  
IN DECIBELS

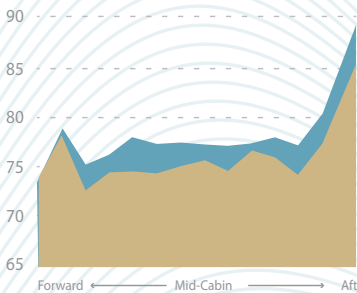


dB(A) Reduction: 2.1

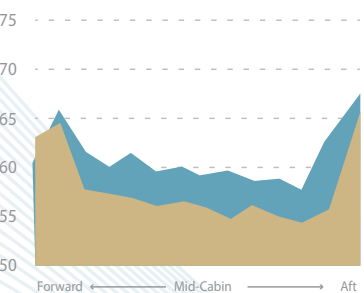
dB(SIL) Reduction: 5.0

CHALLENGER 601  
FL370 .78 MACH

dB (A) ADJUSTED SOUND LEVEL  
IN DECIBELS



DB (SIL) SOUND INTENSITY LEVEL  
IN DECIBELS



dB(A) Reduction: 2.2

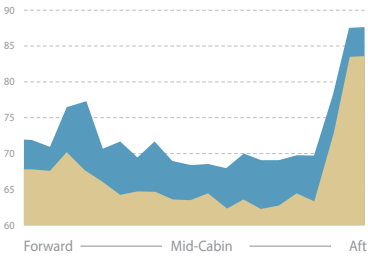
dB(SIL) Reduction: 3.3

# TEST DATA. PROVEN RESULTS

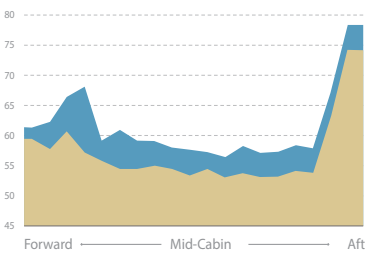
■ dB BEFORE  
■ dB AFTER

## FALCON 900EX

dB (A) ADJUSTED SOUND LEVEL  
IN DECIBELS



DB (SIL) SOUND INTENSITY LEVEL  
IN DECIBELS

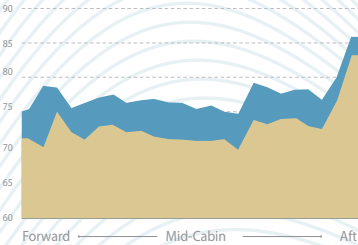


**dB(A) Reduction: 5.72**

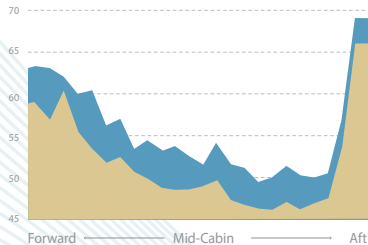
**dB(SIL) Reduction: 4.40**

## GLOBAL EXPRESS

dB (A) ADJUSTED SOUND LEVEL  
IN DECIBELS



DB (SIL) SOUND INTENSITY LEVEL  
IN DECIBELS

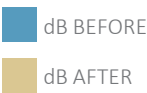


**dB(A) Reduction: 4.97**

**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.

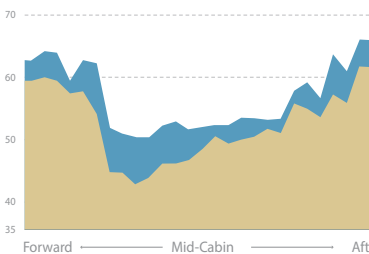
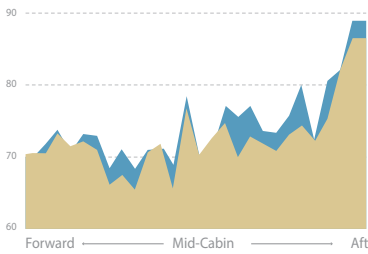
TEST DATA. PROVEN RESULTS



GULFSTREAM G550

dB (A) ADJUSTED SOUND LEVEL  
IN DECIBELS

DB (SIL) SOUND INTENSITY LEVEL  
IN DECIBELS



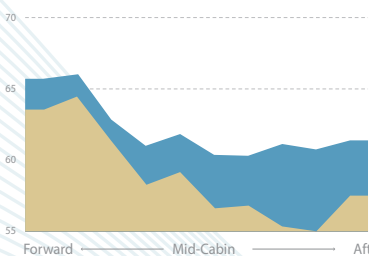
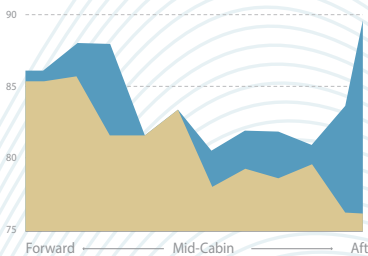
**dB(A) Reduction: 2.13**

**dB(SIL) Reduction: 4.32**

PILATUS PC-12

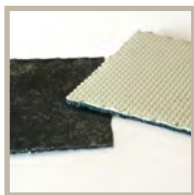
dB (A) ADJUSTED SOUND LEVEL  
IN DECIBELS

DB (SIL) SOUND INTENSITY LEVEL  
IN DECIBELS



**dB(A) Reduction: 1.5**

**dB(SIL) Reduction: 3.8**



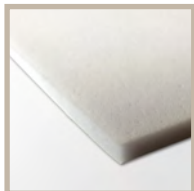
### **SK08240PSA-ADV**

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.



### **AEROCCELLFOAM 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.

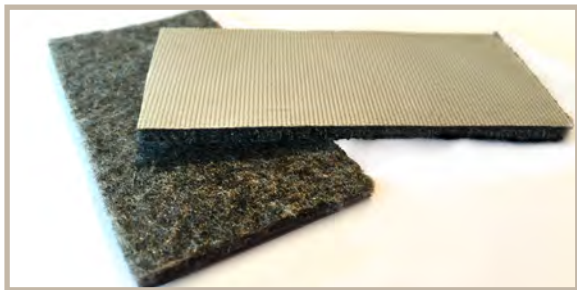
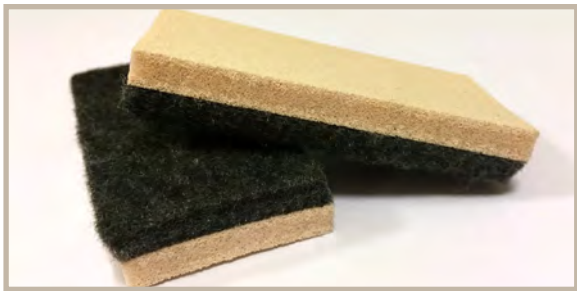


### **AEROTHERM SK-7000**

PROVIDES THERMAL/ ACOUSTIC INSULATION. REINFORCED FILM RESISTS ABRASION, MOISTURE, AND CONTAMINANTS. LIGHTWEIGHT, WATER-REPELLENT AND FIRE-RETARDANT.

### **AEROLITE 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.



### **AEROBLANKET 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.

[www.skandiainc.com](http://www.skandiainc.com)



5000 North Highway 251  
Davis Junction, IL 61020

815 393 4600

