

# SOUNDPROOFING – INSULATION

## E-A-R-COMPOSITE DAMPING FOAM



ADC-224 is a mid-temperature skin damping composite of 0.25" thick damping foam fixed with 0.005" thick aluminum foil and backed with pressure sensitive adhesive. Used in aircraft for weight efficient damping and to reduce radiated noise. Meets FAR 25.853 (A) for fire resistance. Furnished in 27" x 48" sheets.

P/N 09-00181 ..... / sheet

**Less 10% discount on 10 or more sheets**

## 3M™ SOUND & VIBRATION DAMPING PANELS



Designed for damping resonant vibrations of thin sheet metal, these panels are pressure sensitive, specially compounded polyurethane damping foam with an aluminum foil backing. The adhesive on the foam is protected by a peel-off paper covering. It is an excellent insulator for conducted heat and is an excellent heat reflector. Fire-resistant and self-extinguishing per FAA test procedure. Excellent moisture resistance. Resistant to most solvents. Easily applied with only hand pressure for a permanent bond even on rough, irregular surfaces. Used extensively in commercial aircraft and highly recommended for metal home builds. Apply to firewall, fuselage — anywhere a vibration problem exists. Wt. 4 oz./sq. ft., 1/4" thick.

3M Sound Damp Panel 6" x 48"..... P/N 09-30206 ..... ea.  
3M Sound Damp Panel 12" x 48"..... P/N 09-30212 ..... ea.  
3M Sound Damp Panel 18" x 48"..... P/N 09-30218 ..... ea.

**Less 15% on 12 or more pieces  
FOR OTHER 3M™ PRODUCTS SEE PAGES 345-352**

## ALUMINUM FOIL TAPE



A 2 Mil. (50 micron) high strength aluminum foil coated with an aggressive, high temperature acrylic adhesive system. The foil conforms well to both fibrous and sheet metal ducts, providing an excellent vapor seal. The malleable foil also conforms well around corners and to irregular surfaces. Coated with a special cold weather acrylic pressure sensitive adhesive system which combines superior quick stick at normal temperature with superior low temperature performance below freezing - this is the ultimate in cold weather tapes. Recommended for use at normal and elevated temperatures also. **Applications:** Primarily used for vapor sealing fiberglass ductboard and sheet metal ducts; can also be used on FSK systems. tape described above. 2" x 25 Yd. Roll.

Description	Part No.	Price	Description	Part No.	Price
1"X 25YD	09-01273	.	4"X25 YD	09-01275	.
2"X 25 YD	09-01274	.	6"X50 YDS	09-01276	.

## TEFLON ANTI-CHAFE TAPE



ISD Chafe Tape is a durable Teflon material with a pressure sensitive adhesive which resists solvents, and oils. Designed specifically to prevent aluminum chafing between airframes and engine cowls. It helps prevent black streaking on aircraft exterior due to cowl chafing. Not FAA/PMA approved. Operable temperature range: -100°F to +500°F. Width: 1". Roll length: 6 yds. Tkns: .012" P/N 09-31805 ..... /roll

## TEFLON COATED FIBERGLASS ANTI-CHAFE TAPE



These 1' wide rolls of Teflon on fiberglass anti-chafe tape are excellent for use on engine cowlings to keep cowl components from chafing. The tape is available in 5 mil thick and 10 mil thick and comes with a silicone adhesive on the tape. Just peel back liner and install. Rolls are 1" wide x 36 yds long.

5 Mil Anti-Chafe tape ..... P/N 05-01024 ..... /roll  
10 Mil Anti-Chafe tape ..... P/N 05-01025 ..... /roll

## UNI-WRAP SILICONE TAPE RUBBER SELF-BONDING TAPE



UniWrap silicone rubber sealing tape bonds to itself permanently to protect, repair, join, or insulate virtually any type of part on which ordinary tape can be used. But the big difference between UniWrap and ordinary tape is that it fuses to itself permanently to form a homogenous mass and provides unprecedented protection and insulating characteristics. UniWrap uses no adhesives so it is non-tacky. It has a 12 month shelf life and after fusing is unaffected by moisture, cold, heat, ozone shock, or vibration. Meets MIL-I-46852 Type II as well as strict aerospace industry performance requirements. Available in red, black, gray, or white. Furnished in 10 yard rolls, UniWrap is 1" wide and 0.020" thick UniWrap (red) P/N 09-30450.....

## COWLING CHAFE SEAL



Off-white, 100% non-asbestos woven tape. Unaffected by most chemicals and temperatures. 15" roll. 1" P/N 09-31800 ..... r

## NOXUDOL SOUNDPROOFING LIQUID



A paint-on soundproofing material that is applied to metal surfaces to reduce vibration and reverberant noise. Use to fill cracks and spaces where noise can enter. Buff color and can be painted. Paint engine mounts to increase fire resistance! Odorless and non-toxic when dry. Waterbased product. Non-Flammable. Shelf life: 1-year. Not FAA approved.

Quarts ..... P/N 09-42740 .....  
Gallon..... P/N 09-00772 .....

## SUPER SOUNDPROOFING TAPE



This is a 1/8" thick by 2" wide self adhesive tape that can be placed on metal panels and wrapped around ducts to reduce vibration and reverberant noise transfer. Not FAA approved. 30 ft. rolls.

2" wide P/N 09-42745...../ea.  
1" wide P/N 09-00381...../ea.

## SUPER SOUNDPROOFING FLOOR MAT

This heavy duty, wear resistant vinyl mat with foam backing can be placed on aircraft floors to reduce noise & vibration. 54" width.

FAA approved. .... P/N 09-42750 ..... /lin.ft.

Floormat 4" wide X 25' Roll..... P/N 09-00433..... /roll

Floormat without foam backing..... P/N 09-42751..... /lin.ft.

## HOW TO SOUNDPROOF LIGHT AIRCRAFT



This excellent book explains how to properly use the soundproofing materials below to best reduce noise and vibration in your aircraft cabin. Illustration; 20 pages.

P/N 09-42755 ..... FREE

## SUPER SOUNDPROOFING SHEET WITHOUT ADHESIVE



This material is excellent for reducing noise levels in all types of certificated and homebuilt aircraft. It is a closed cell vinyl insulating material which will not absorb water or oil. Has fire retardant qualities and meets FAR 25.853a Appendix F, Pt1. It is smooth on one side for easy attachment to the inside cabin skins, sides, top and front firewall. Excellent for helicopters as well. Furnished in bulk 48" wide sheet, it is easily cut by scissors and attached with contact cement. Available in black only.

**The Flammability Report (Burn Certs) are available on request.**

Thick-ness	Wt. / Lineal ft.	P/N 09-	Price Per. Lineal Ft.	Thick-ness	Wt. per Lineal ft.	P/N 09-	Price Per. Lineal Ft.
1/8"	25 lbs.	42719	.	3/4"	1.4 lbs.	42727	.
1/4"	60 lbs.	42720	.	1"	2.0 lbs.	42730	.
3/8"	80 lbs.	42723	.	1-1/2"	3.0 lbs.	72731	.
1/2"	1.0 lbs.	42725	.	2"	4.0 lbs.	42760	.

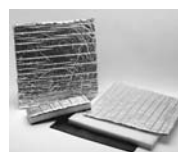
## SUPER SOUND PROOF WITH ADHESIVE



Super Soundproofing Foam Mat for noise control: A closed cell vinyl-nitride noise control FOAM suitable for application to cars, boats, planes, home and office, anywhere a noise control mat is needed. Won't absorb moisture or odor, long lasting and durable. An excellent thermal insulator! (FAA Approved for aircraft, too!) Just apply with vinyl or contact cement to reduce and absorb sound.

1/8" w/adhesive ..... P/N 09-01243 .....  
1/4" w/adhesive ..... P/N 09-01244 .....  
3/8" w/adhesive ..... P/N 09-00443 .....  
1/2" w/adhesive ..... P/N 09-00444 .....  
3/4" w/adhesive ..... P/N 09-01245 .....  
1" w/adhesive ..... P/N 09-01246 .....  
2" w/adhesive ..... P/N 09-01247 .....

## SOUND EX KITS



SoundEx™ is a premium aircraft soundproofing / insulation that incorporates excellent vibration damping and noise absorption properties. SoundEx™ is a superior product compared to other products on the market because of it's thermal qualities, adds less weight to aircraft (4.5 oz. per sq. ft. for 1-1/8" thickness and 3 oz. per sq. ft. for 7/8" thickness), and affordability. Materials are available in bulk or soundproofing template kits. Stop the yelling and make flying fatigue a thing of the past. Improve your quality of flight with SoundEx™

**SEE WWW.AIRCRAFTSPRUCE.COM FOR A LIST OF SOUND EX AIRCRAFT KITS AND BULK MATERIAL.**

**SEE THE ENGINE PARTS SECTION OF THE CATALOG FOR MORE INSULATION PRODUCTS!**