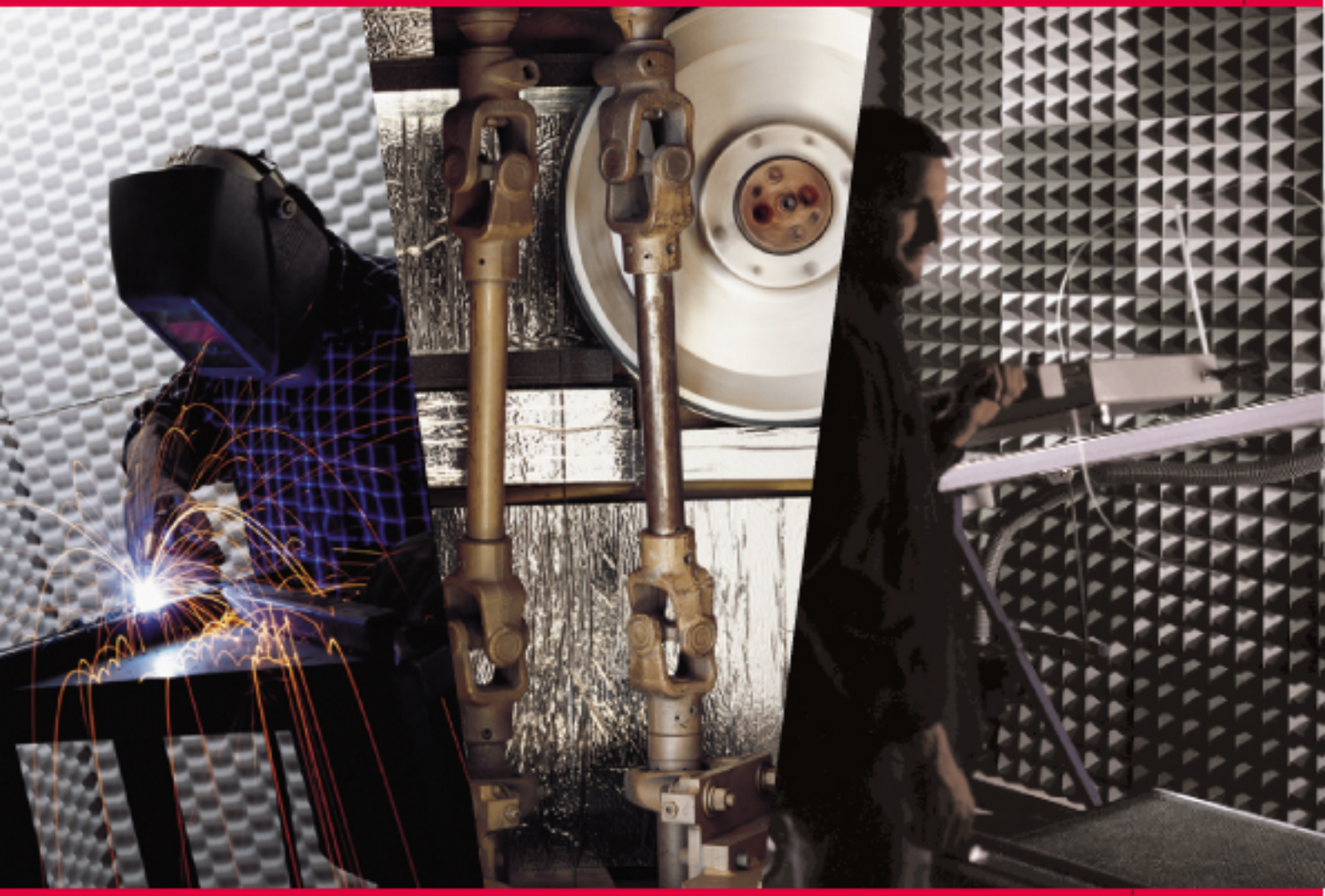
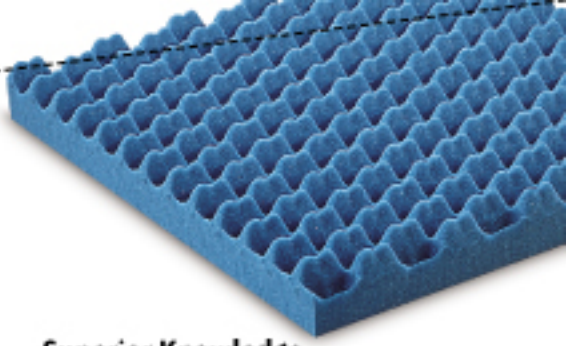
Setting a New Standard in Noise Control Solutions



Engineers, Architects, and Builders Turn to Tecnifoam for Complete, High-Performance Acoustical Products.



Tecnifoam:
Superior Designs and Materials for Advanced Noise Control in Every Environment!

Life is Noisy

Tecnifoam provides you with unparalleled choices for preventing, controlling or suppressing noise. With decades of experience in engineering, fabricating, and manufacturing noise control products, Tecnifoam has everything you need to make your world a quieter place.

Products range from our pre-designed acoustical foam line to custom anechoic wedges.

Tested and Proven Products: The Tecnifoam Advantage

Of paramount importance is our proven performance. The efficiency of our products has been tested by an independent lab and proven through a series of sophisticated tests designed to measure just how well our products absorb sound. Specific noise control test data is provided for each product in this catalog. Our noise reduction coefficients and frequency data tell you exactly the level of performance you can expect from each Tecnifoam product. Our test results enable you and your Tecnifoam distributor to tailor a specific solution to your environment.

Whether your noise control problem is simple or complex, Tecnifoam can help. Chances are, we've already helped someone else solve a very similar problem.

Complete Product Selection

Tecnifoam is your complete, one-stop resource for noise control. Our products are designed to both control noise and add to the appearance of your space. In addition to expert "diagnostic" and engineering services, we offer the complete range of noise control materials and solutions.

Because noise control products need to add to the beauty of their surroundings, we offer six stock colors for most of our products (see product-specific information).

Superior Knowledge

Our distributors are experts in "diagnosing" your needs and providing cost-effective solutions.

While most noise control projects can be solved with pre-designed products, some challenges require a custom approach. We can help you solve the most complex or unusual noise problem with our complete engineering, fabricating, and manufacturing capabilities.

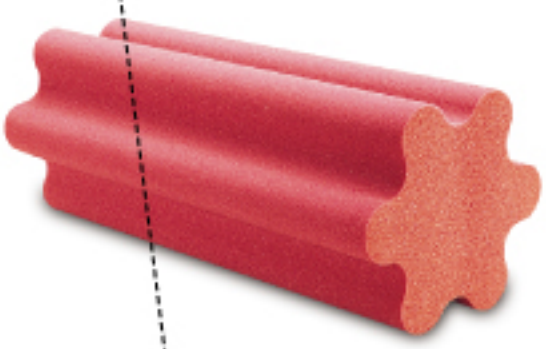
Using today's "just-in-time" production methods, we quality-engineer our products from the very start.

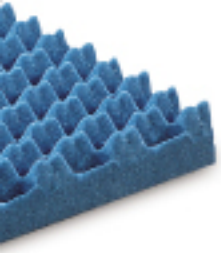
Unmatched Customer Service and Guaranteed Satisfaction

A company is only as good as its customer service. That's why our distributors and support staff "partner" with you to get your project done quickly, from on-site evaluations and proposals, to the initial design and manufacturing processing, to shipping your order as quickly as possible.

To ensure the best service, your distributor will follow through on all phases of ordering and delivering your job. Over the years, we've found our one-on-one service ensures the best possible results and the fastest service.

Our professional pride is based on our ability to "get it right" the first time.





The Facts about Noise "Pollution"

According to the Noise Pollution Clearinghouse, "Noise is among the most pervasive pollutants today. The problem with noise is not only that it is unwanted, but also that it negatively affects human health and well-being. Problems related to noise include hearing loss, stress, high blood pressure, sleep loss, distraction and lost productivity, and a general reduction in the quality of life."

In business, excessive noise can cause irreversible hearing loss, increased worker compensation claims, and higher insurance costs.

Noise problems are hardly confined to industrial areas. Whatever the space, there are three essential approaches to controlling or eliminating noise:

1. Contain the noise at the source by using mufflers, engineering controls, etc.

2. Identify, isolate and treat the many paths noise will take with barriers, absorbers and dampers.

3. Cancel the noise by reducing sound at the listener with headphones, earplugs, etc.

Table of Contents

2 About Tecnifoam, Inc.
3 The Facts About Noise "Pollution"
4-5 Polyurethane Foam Panels & Baffles
6-7 FireFlex Panels & Baffles
8-9 Acoustic Composites/Barriers
10 Ceiling Tiles
11 Custom Manufacturing/OEM

Tecnifoam: Complete Solutions

No matter what is causing the noise — effective noise management requires an interrelated set of solutions. A complete solution typically includes containing, absorbing, and canceling unwanted noise.

Tecnifoam consultants and distributors know how to address your total sound control needs. We can help you identify hearing hazards and design solutions that meet and or exceed OSHA regulations.

Best of all, we have the expertise and products necessary to deliver effective solutions the very first time.

Tecnifoam's sound control solutions are currently making the world a quieter place in a variety of environments, including:

- Schools, auditoriums, gymnasiums, swimming pools, exercise rooms, recreation facilities
- Compressor rooms, boiler/ventilation rooms, engine housing areas, equipment cabinets
- Meeting halls, offices, conference rooms, dining areas, hallways, reception areas, churches
- Video production facilities, recording and editing suites, broadcast studios, sound stages and studios
- Factories and production facilities, warehouses, laboratories, research facilities
- OEM noise control applications

Find out how Tecnifoam's complete line of noise control products can make your world a quieter place.

Call us to help you control or eliminate the toughest noise problems.
763-537-7000.

Polyurethane Acoustic Foam Panels and Hanging Baffles: An "Easy to Install" Noise Solution

Tecnifoam's Polyurethane Acoustic Foam Panels and Hanging Baffles are used to absorb noise in nearly every setting, from compressor rooms and recording studios, to computer rooms, punch presses, churches and gymnasiums. Panels install easily on walls to handle the toughest noise problems. Baffles can be hung to interrupt and absorb free-floating noise. Hanging Baffles are especially ideal for big indoor areas with hard surfaces, such as gyms, manufacturing areas, auditoriums, and indoor swimming pools.

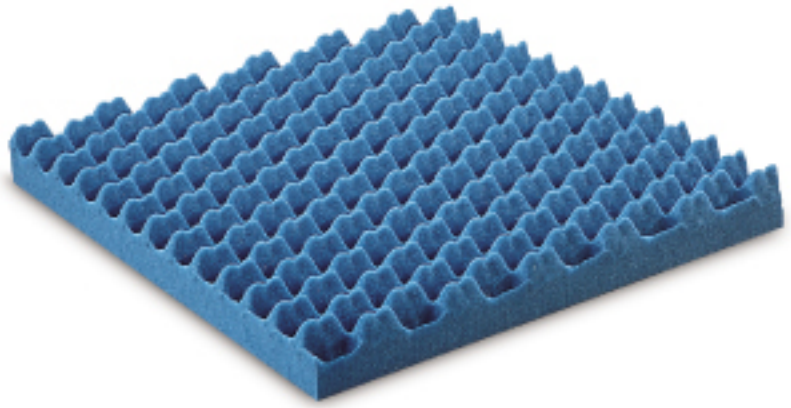
Tecnifoam Polyurethane Acoustic Foam Panels are available in three designs: Anechoic Wedge, Pyramid, and Max Wedge. Baffles are available in the Anechoic Wedge design.

Note: Polyurethane Acoustic Foam Panels and Baffles are also available in Class One FireFlex, p. 6.

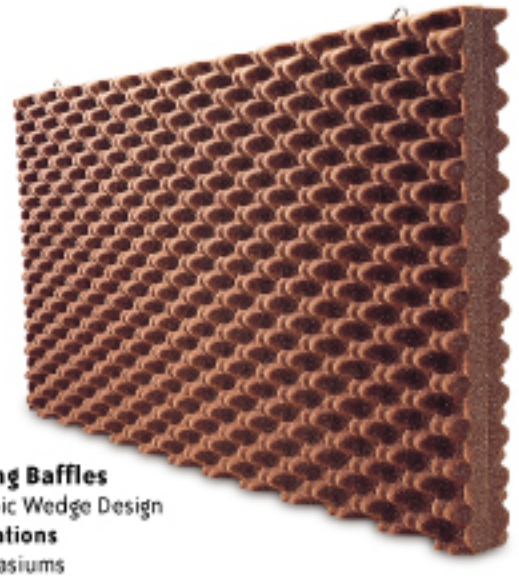
Features

- Open Cell Polyurethane Acoustical Foam construction for maximum noise control
- Flammability UL94HF-1
- Three unique designs allow customization
- Different designs, stock sizes, and thicknesses from 1" to 8" to achieve the precise level of sound control you need.

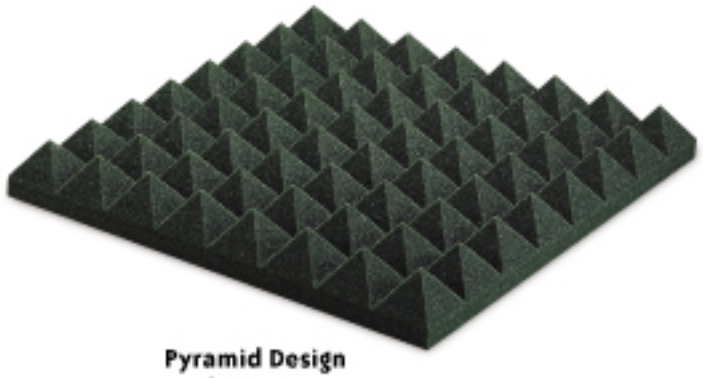
Note: Not all sizes and thicknesses are available in every design. Please see specifications for details. Custom orders are welcomed.



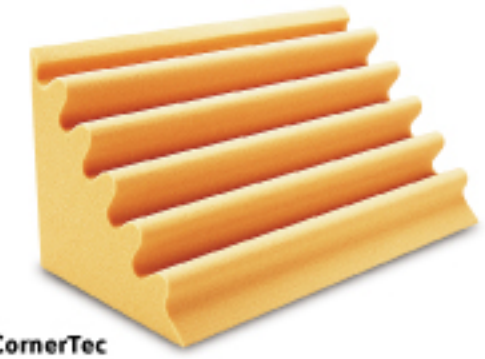
Anechoic Wedge
Applications
- Industrial noise control
- Firing ranges
- In-plant noise
- Metalworking operations
- Commercial, home and audio market.



Hanging Baffles
Anechoic Wedge Design
Applications
- Gymnasiums
- Pools
- Industrial facilities
- Fellowship halls
- Churches
- Entertainment facilities.

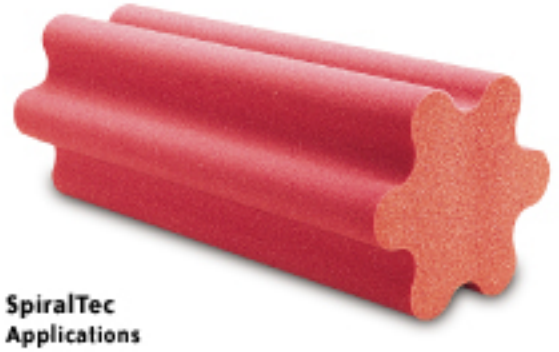


Pyramid Design
Applications
- Office & telemarketing areas
- Broadcast/recording studios
- Distance learning facilities
- Churches, homes, and more.



CornerTec
Applications
- Room corners
- Home, office and audio.

Max Wedges
Applications
- Anechoic chamber environments
- Test chambers
- Low frequency applications.



SpiralTec
Applications
- Room corners
- Home, office and audio.

SPECIFICATIONS

Hanging Baffles	
Size:	24" x 48" hanging baffles
Thickness:	3"
Density:	2 lb/cubic foot
Flammability:	UL94HF-1
Colors:	Charcoal, blue, brown, beige, burgundy, hunter green.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	A S/U
Hanging Baffles	4.44	6.00	10.00	15.50	17.90	19.20	12.20

A S/U = average sabins/unit

CornerTec	
Size:	12" x 12" outer edges
Face:	17"
Heights:	24" & 48"
Thickness:	12"
Density:	2 lb/cubic foot
Flammability:	UL94HF-1
Colors:	Charcoal, blue, brown, beige, burgundy, hunter green.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	A S/U
CornerTec	3.60	9.70	9.50	8.25	6.80	5.15	8.60

A S/U = average sabins/unit

SpiralTec	
Size:	10" Round
Heights:	24" & 48"
Thickness:	10"
Density:	2 lb/cubic foot
Flammability:	UL94HF-1
Colors:	Charcoal, blue, brown, beige, burgundy, hunter green.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	A S/U
SpiralTec	4.25	8.35	8.95	7.30	6.15	4.65	7.70

A S/U = average sabins/unit

SPECIFICATIONS

Anechoic Wedge

Sizes:	24" x 48" & 48" x 48"
Thicknesses:	1, 1-1/2", 2", 3", 4"
Density:	2 lb/cubic foot
Colors:	Charcoal, blue, brown, beige, burgundy, hunter green.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
Anechoic Wedge							
TFW-2000	.15	.31	.73	1.04	1.08	1.12	.80
TFW-3000	.24	.46	1.08	1.05	.98	.90	.90
TFW-4000	.32	.93	1.43	1.33	1.29	1.21	1.25

Pyramid Design

Size:	24" x 24"
Thicknesses:	2", 3", 4"
Density:	2 lb/cubic foot
Colors:	Charcoal, blue, brown, beige, burgundy, hunter green.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
Pyramid							
TFP2	.14	.32	.72	1.01	1.05	1.08	.80
TFP3	.44	.48	1.19	1.12	1.16	1.16	1.00
TFP4	.39	.60	1.21	1.14	1.16	1.13	1.05

Max Wedges

Size:	12" x 12" panels
Thicknesses:	6" & 8", custom sizes available.
Density:	2 lb/cubic foot
Colors:	Charcoal, blue, brown, beige, burgundy, hunter green.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
Max Wedges							
TFMAX-6	.27	1.05	1.34	1.28	1.26	1.17	1.25
TFMAX-8	.41	1.05	1.42	1.36	1.37	1.51	1.30

Choose Flame-Resistant FireFlex Foam Panels for High-Temperature Applications and More.

Our unique, flame-resistant FireFlex Foam is an excellent noise absorber for high-temperature applications or in buildings requiring Class One rated materials. Heat resistant to 482° F and able to withstand constant temperatures up to 320° F, FireFlex is engineered for environments where temperatures are high, sparks or other hot materials may fly, large numbers of people congregate, or high technology is used.

FireFlex is made of a special, open-cell, lightweight acoustic melamine. This material's internal structure is a spacious cellular complex of slim, flexible webs that are membrane-free and completely open-celled. The result is that FireFlex materials are low-density and extremely lightweight.

FireFlex is approved as a Class One building material, and is resistant to many chemicals. Natural color white panels can be painted any color. For damp areas and/or easy cleanup, choose FireFlex with a Hypalon protective skin.

Tecnifoam products that are constructed of FireFlex include:

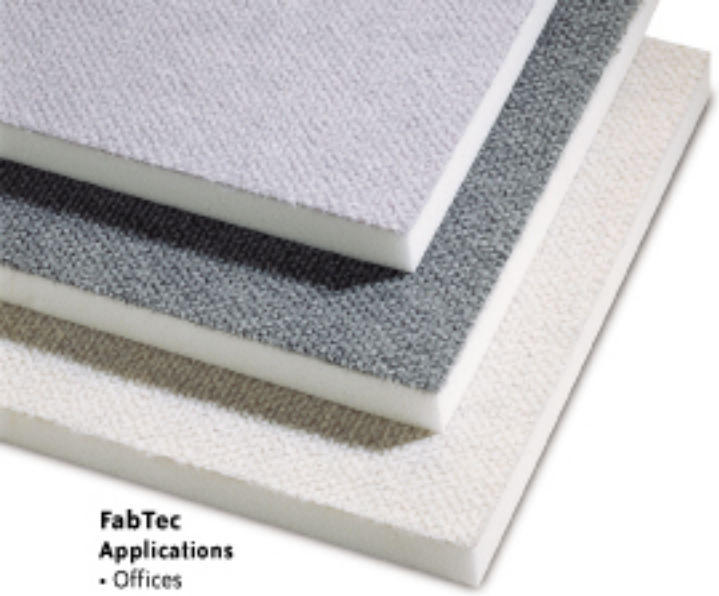
FabTec – Made of FireFlex and fire rated fabric, with a flat surface and a fabric face.

Anechoic Wedge – Contoured profile traps airborne noise and dissipates it by absorbing the kinetic energy created by sound waves.

Pyramid – Appropriate for almost any application; attractive design reduces reflected noise within a room by trapping and absorbing sound energy.

Max Wedges – Uniform wedge design helps trap airborne industrial noise. Open-cell structure dissipates noise energy to control harsh reflected noise and reverberations.

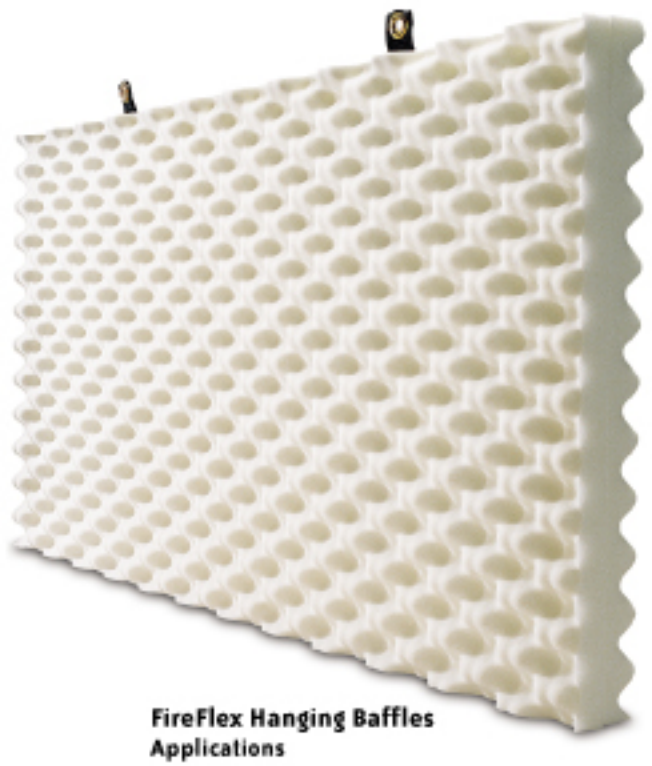
Hanging Baffles – Contoured profile Anechoic Wedge pattern absorbs airborne noise and dissipates it.



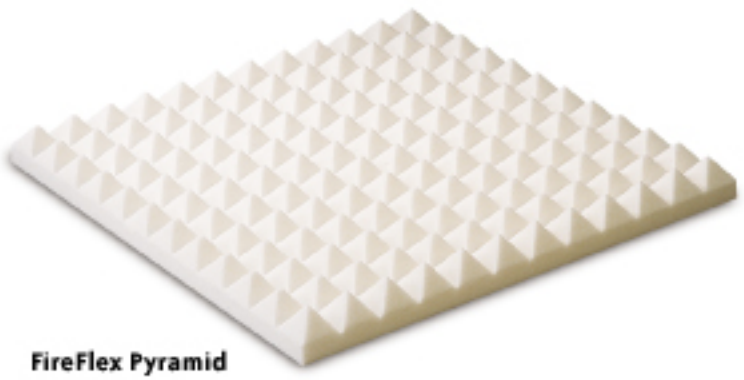
FabTec
Applications
- Offices
- Restaurants
- Conference rooms
- Studios
- Churches and schools.

FireFlex Max Wedges
Applications
- Anechoic chamber environments
- Test chambers
- Low frequency applications.

FireFlex Anechoic Wedge
Applications
- Welding areas
- Power generator plants
- Churches and schools
- High temperatures.



FireFlex Hanging Baffles
Applications
- Gymnasiums
- Pools
- Industrial facilities
- Fellowship halls
- Churches and entertainment facilities.



FireFlex Pyramid
Applications
- Office & telemarketing areas
- Broadcast/recording studios
- Distance learning facilities
- Churches, homes and more.

SPECIFICATIONS

FireFlex Max Wedges	
Size:	12" x 12" panels
Thicknesses:	6" & 8", custom sizes available.
Density:	2 lb/cubic foot
Flammability:	Class One
Flame Spread:	10
Smoke Density:	50
Color:	Natural white

Also available in Polyurethane.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
Max Wedges							
TFMAX-6	.22	1.07	1.27	1.34	1.27	1.15	1.26
TFMAX-8	.39	1.05	1.44	1.38	1.33	1.19	1.33

FireFlex Hanging Baffles	
Size:	24" x 48" hanging baffles
Thickness:	3"
Density:	0.7 lb/cubic foot
Flammability:	Class One
Flame Spread:	10
Smoke Density:	50
Color:	Natural white

Also available in Polyurethane.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
Baffles/FireFlex							
TFX-Baffle	4.17	6.50	10.00	15.60	17.90	19.50	12.80

SPECIFICATIONS

FabTec	
Sizes:	24" & 48"
Thicknesses:	1", 2", 3"
Density:	0.7 lb/cubic foot
Flammability:	Class One
Flame Spread:	10
Smoke Density:	50
Colors:	6 Stocked fabric colors. Custom colors available.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
FabTec							
FabTec - 1"	.19	.32	.85	.88	.58	.50	.65
FabTec - 2"	.32	.75	1.20	1.10	.90	.63	.99
FabTec - 3"	.49	1.03	1.27	1.18	1.03	.72	1.13

FireFlex Anechoic Wedge	
Sizes:	24" x 48" & 48" x 48"
Thicknesses:	1, 1-1/2", 2", 3", 4"
Density:	0.7 lb/cubic foot
Flammability:	Class One*
Flame Spread:	10*
Smoke Density:	50*
Colors:	Natural white Painted and hypalon colors available.

*In natural white only. Also available in polyurethane.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
Anechoic Wedge							
TFX-2	.03	.31	.81	1.02	1.01	.96	.80
TFX-3	.13	.74	1.26	1.18	1.12	1.03	1.10
TFX-4	.33	1.12	1.32	1.39	1.19	1.12	1.26

FireFlex Pyramid	
Size:	24" x 24"
Thicknesses:	2", 3", 4"
Density:	0.7 lb/cubic foot
Flammability:	Class One
Flame Spread:	10
Smoke Density:	50
Color:	Natural white

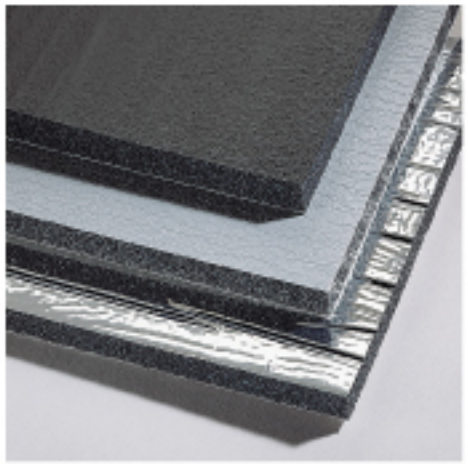
Also available in Polyurethane.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
Pyramid							
TFPX-2	.09	.28	.79	.94	1.00	1.04	.75
TFPX-3	.10	.48	.91	1.11	1.11	1.14	.90
TFPX-4	.16	.56	1.11	1.13	1.13	1.21	1.00

Use Tecnifoam Acoustical Foam Barrier Composites to Reduce Noise and Sound Transmission in Machine Enclosures, Truck Cab Linings, Walls, and More.

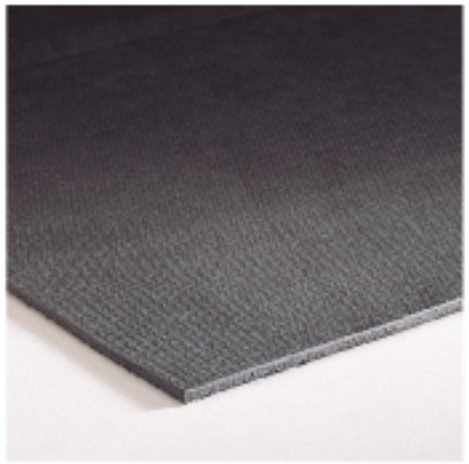
Composites are ideal in applications that demand increased noise absorption, sound transmission loss, and/or vibration damping. Our Composites contain a barrier material, a high-performance acoustical foam, and a 1/4" foam decoupler. You'll appreciate these features…

- Easy to handle and install
- One lb./square foot Loaded Vinyl Barrier
- Strong, durable bonds between layers are created by casting the barrier directly onto the foam.



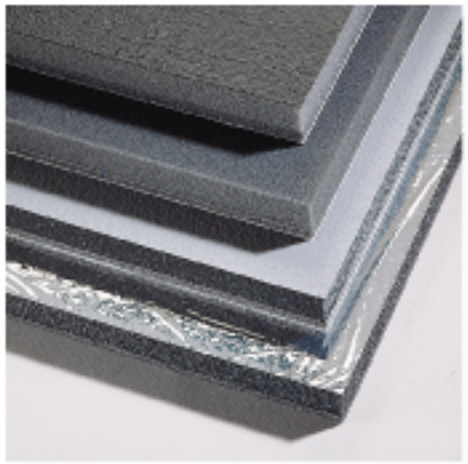
Acoustic Composites made of open-cell polyurethane acoustical foam. Choose from a variety of film facings and peel and stick backings.

Applications
- Industrial noise control
- Machine enclosures
- Truck cab linings.



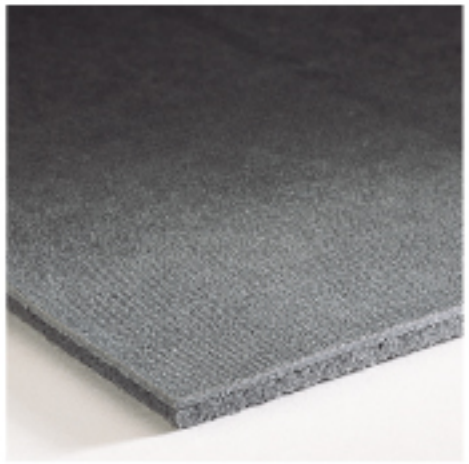
TF-Block made of Mass Loaded Vinyl.

Applications
- Common walls
- Placed over drop-in ceiling systems
- New construction/between studs.



Acoustical Foam Barrier Composites made of open-cell polyurethane acoustical foam combined with 1# Loaded Vinyl. Choose from a variety of film facings and peel and stick backings. Available in 1" foam with or without facing, 1# Loaded Vinyl, and 1/4" foam.

Applications
- Industrial noise control
- Machine enclosures
- Truck cab linings.



TF-Sorb made of Mass Loaded Vinyl with 1/4" foam decoupler.

Applications
- Common walls
- Placed over drop-in ceiling systems
- New construction/between studs
- Under carpet to lower sound transmission between levels.

SPECIFICATIONS

TF-Block	
Pattern:	Flat surface
Sizes:	54" x 30' & 54" x 60'
Thickness:	1/8"
Density:	1 lb/cubic foot
Colors:	Black (non-reinforced), Gray (reinforced)

FREQUENCY (Hz)	125	250	500	1K	2K	4K	STC
TF-Block	13	17	21	27	34	40	26

TF-Sorb	
Pattern:	Flat surface
Size:	54" x 60'
Thickness:	3/8"
Color:	Black (non-reinforced)

FREQUENCY (Hz)	125	250	500	1K	2K	4K	STC
TF-Sorb	13	17	21	27	34	40	26

SPECIFICATIONS

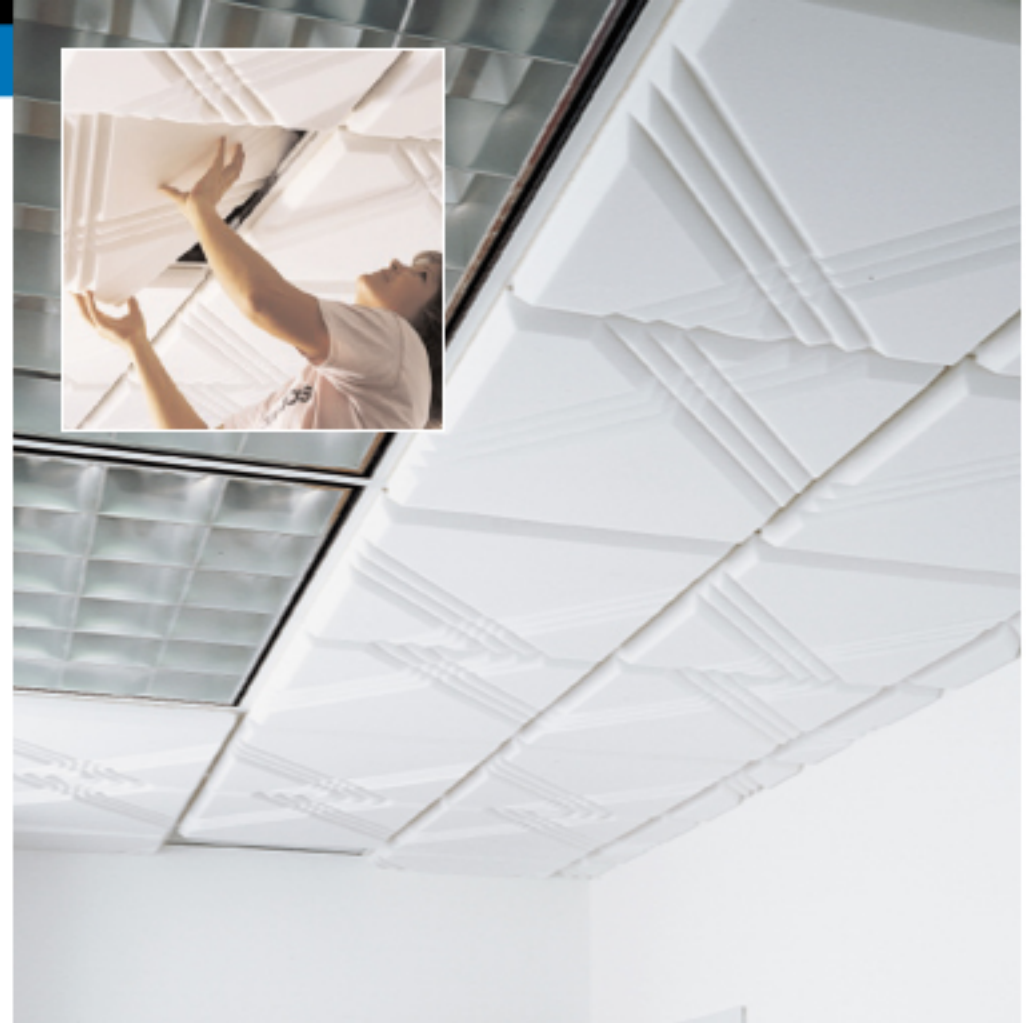
Acoustic Composites	
Pattern:	Flat surface with film face
Size:	24" x 48"
Thickness:	1"
Density:	2 lb/cubic foot
Flammability:	UL94HF-1
Facings:	Black tuftane, gray tuftane, aluminized mylar

FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
Acoustic Composites							
FTP-1	.24	.44	.93	.80	.68	.72	.71
FMP-1	.20	.42	.90	.92	.80	.84	.76

Acoustical Foam Barrier Composites	
Pattern:	Flat surface with or without film face
Sizes:	24" x 48" & 48" x 48"
Thickness:	1.25"
Density:	2 lb/cubic foot (foam) 1lb/square foot (vinyl)
Flammability:	UL94HF-1
Facings:	Black tuftane, gray tuftane, aluminized mylar
Unfaced:	Charcoal

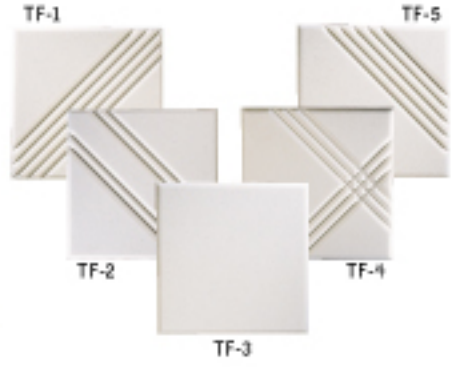
FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
Foam Composites							
FBF-1	.02	.31	.63	.94	1.03	.90	.73
FBF-1T	.33	.24	.63	1.23	1.35	1.14	.85

FREQUENCY (Hz)	125	250	500	1K	2K	4K	STC
Foam Composites							
FBF-1	20	21	25	28	32	42	29



Light, Flexible Ceiling Tiles Dramatically Reduce Noise Levels in Any Room.

Our ceiling tiles not only look great, they're top performers when it comes to sound absorption. We combine advanced acoustical technology with our manufacturing expertise to add practical excitement to your ceiling. With five unique surface designs to mix and match, you can create dozens of intriguing ceiling designs. Flat-faced ceiling tiles are available as accents or can be used as trim around ceiling fixtures or edges.



Ceiling Tiles made of FireFlex Class One fire rated Melamine Acoustical Foam. Five styles available; custom patterns upon request.

Applications

- Offices
- Conference rooms
- Restaurants
- Studios
- Any drop-in ceiling system.

Ceiling Tile	
Size:	24" x 24"
Thickness:	2"
Density:	0.7 lbs/cubic foot (foam)
Flammability:	Class One*
Flame Spread:	10*
Smoke Density:	50*
Colors:	Natural white; painted and hypalon colors also available.

*In natural white only.

FREQUENCY (Hz)	125	250	500	1K	2K	4K	NRC
Ceiling Tile							
TF-Ceiling	.22	.44	.85	.95	.97	.95	.80

Whatever Your Challenge, Let Tecnifoam Manufacture a Solution for You.

Tecnifoam strives to build long lasting partnerships with our customers. We've found that is the dependable way to engineer, design, and manufacture the best products at the most competitive prices.

Our partnerships result in final products that meet and exceed our customer's expectations. Whether your application is simple or complex, Tecnifoam has the right combination of skills, materials, and dedication to excellence necessary to meet your most exacting needs.

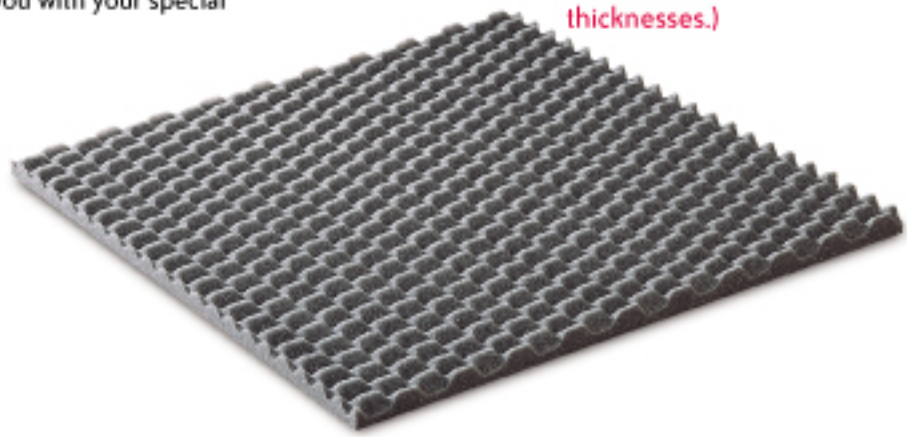
Super Max Wedges ◀

Foam is often a vital component in many products. There is a lot of it out there, from a vast array of makers. It is proof of our leadership position in the field that you can find our OEM products throughout the globe in nearly every application.

From medical masks to filters for generators, Tecnifoam does it all. We can help you with your special needs, too.

▲ Linear Wedge ▼

▼ Mini-Anechoic Wedge (Available in 1" and 1½" thicknesses.)



To discuss your next custom order, call us at 763-537-7000. Or fax us at 763-535-1169.

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Making the World a Quieter Place.

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