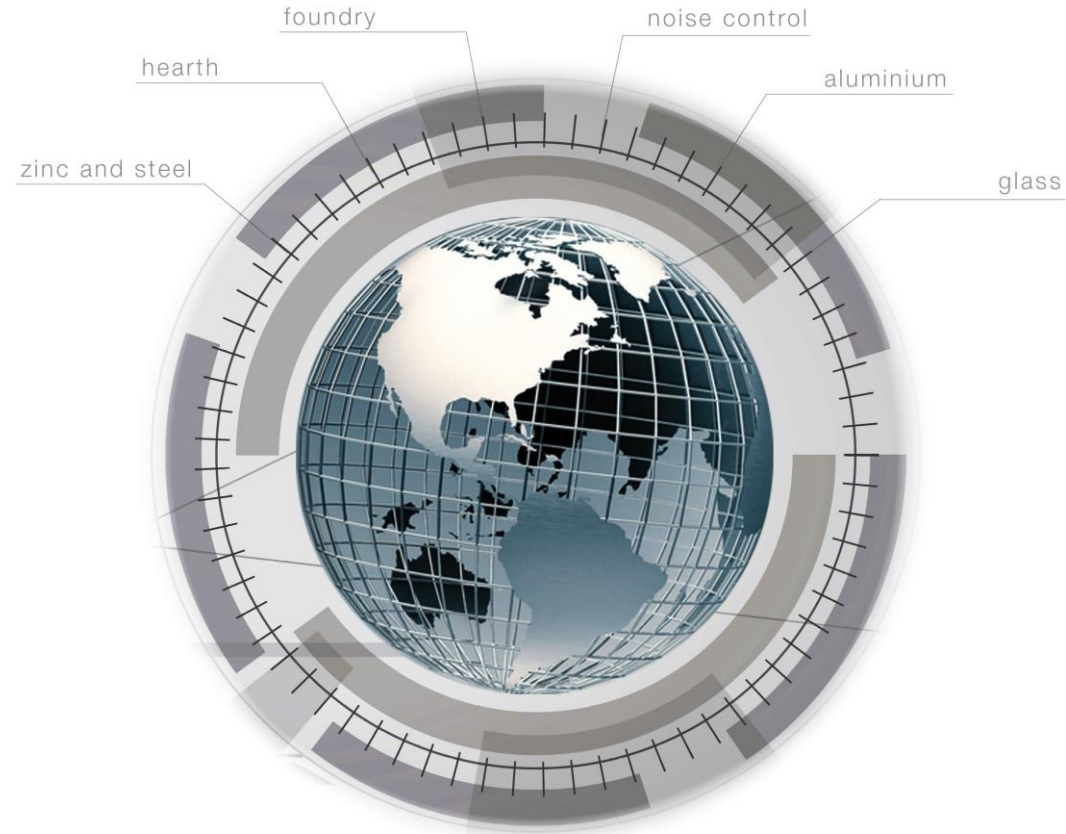




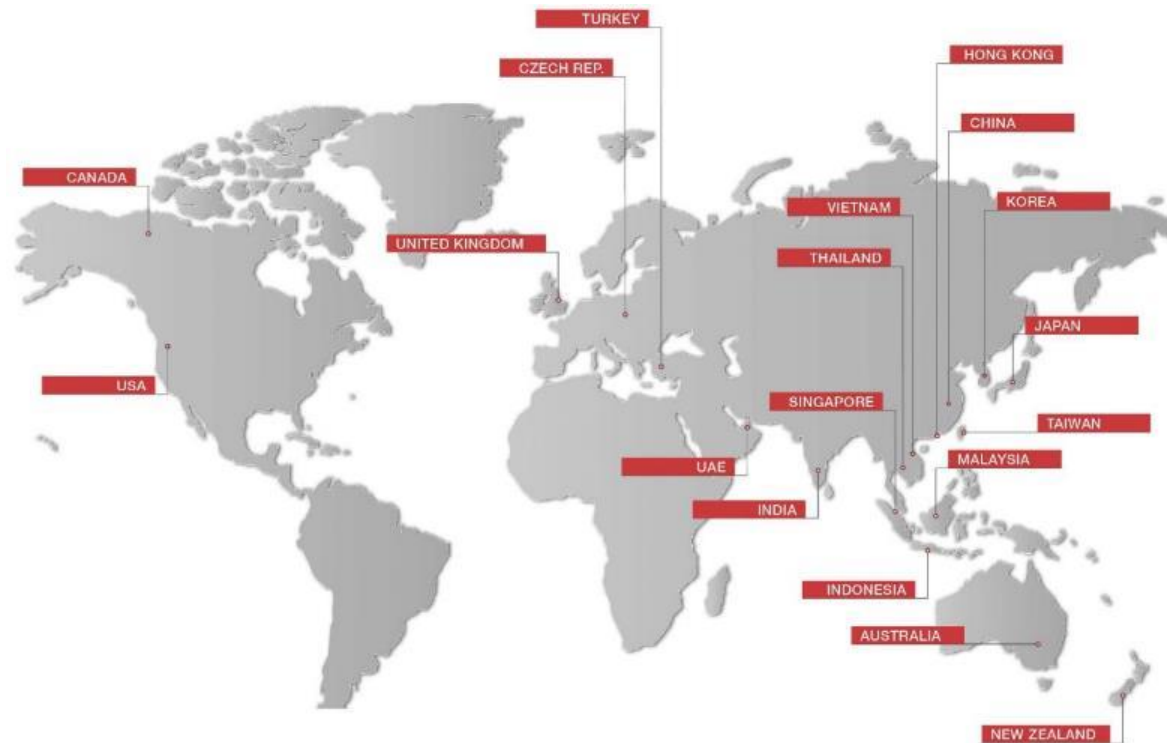
Pyrotek[®]

**INTRODUCING
PYROTEK NOISE
CONTROL**

PYROTEK FORMED IN 1956
PRIVATELY OWNED 6 DIVISIONS 66 LOCATIONS 31 COUNTRIES
ZINC STEEL ▫ HEARTH ▫ FOUNDRY ▫ NOISE CONTROL ▫ ALUMINIUM ▫ GLASS



**GLOBAL SUPPLY LEADER OF EQUIPMENT &
CONSUMABLES
FOR REFINING, MELTING, & CASTING ALUMINIUM.**



NOISE CONTROL DIVISION STARTED **40** YEARS AGO IN AUSTRALIA

PYROTEK NOISE CONTROL CONTINUED GLOBAL EXPANSION

OUR GLOBAL FOOT PRINT HELPS BRING OUR CUSTOMERS THE LATEST TECHNOLOGIES

CERTIFICATION



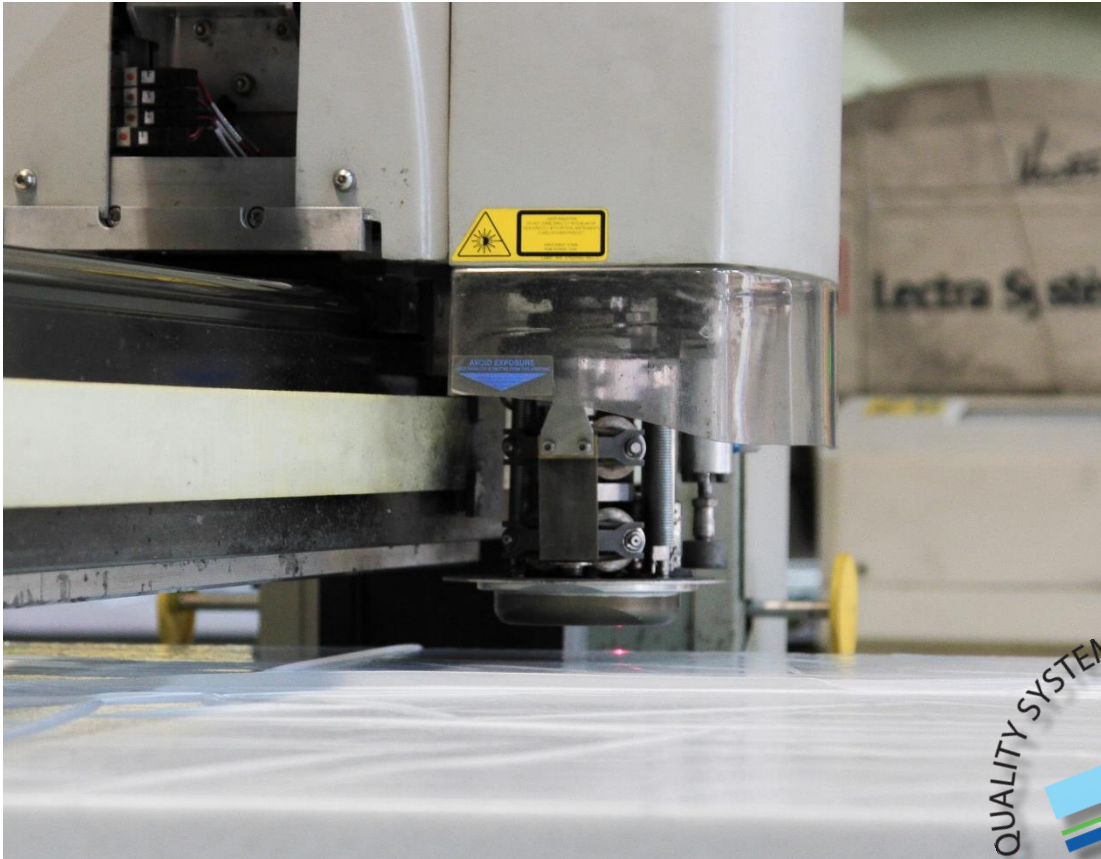
PYROTEK is committed to innovation maximising product performance.
To achieve our goals we have invested in our own facilities for acoustic and material property testing.



Our work is complemented by association with leading research and testing authorities providing **transparent** and **independent** product assessment.



QUALITY



- PYROTEK NOISE CONTROL has a focus on product and process improvement
- All major fabrication plants are ISO certified
- DNV quality accredited company
- Proactive adoption of lean manufacturing
- Quality control means consistent acoustic and material property performance

PRODUCT RANGE



VIBRATION
DAMPING

NOISE
BARRIERS

SOUND
ABSORBERS

BARRIER ABSORBER
COMPOSITES

THERMAL AND FIRE
PROTECTION

VIBRATION



VIBRATION
DAMPING

Structures made from materials such as steel, fibreglass and alloys have minimal internal damping properties: if not effectively damped, the vibration will radiate as air-borne sound.

constrained
layer damping

Soundmetal
Decidamp



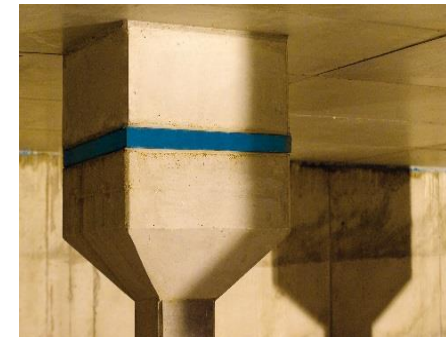
extensional
damping

Decidamp SP150
Decidamp Tile



vibration
isolation

Sylomer
Sylodyn



NOISE BARRIERS

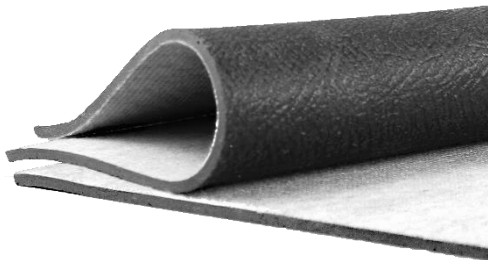


NOISE
BARRIERS

Noise barriers are used to reduce noise transfer and flanking paths between acoustically sensitive areas and to increase performance of existing structures by wrapping or hanging as a shield or cover

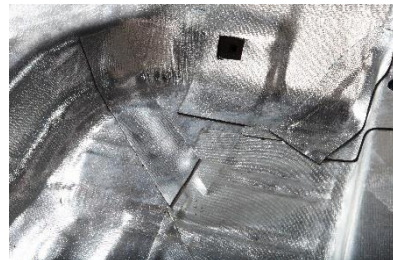
standard mass
barriers

Wavebar



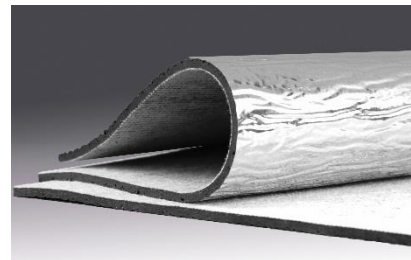
low spread of
flame surface

Wavebar
Quadzero



low smoke fire
retardants

Wavebar
Nonlite



composite
panels

Subdue



BARRIER ABSORBER COMPOSITES



BARRIER ABSORBER
COMPOSITES

We developed composites to simplify acoustic treatment combining sound absorbers with noise barriers.

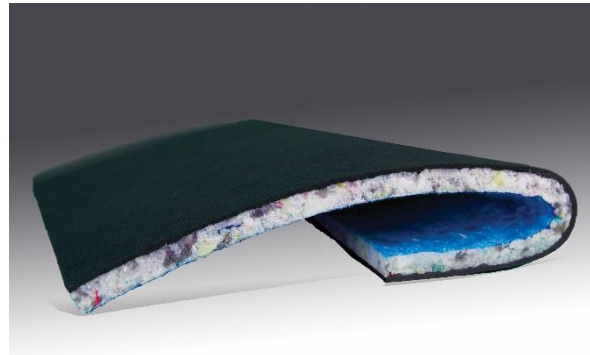
commercial pipe
and duct
insulation

Soundlag



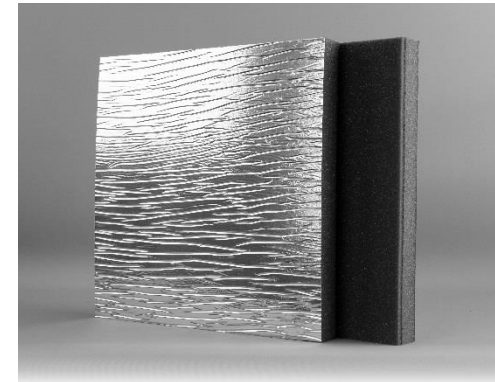
flooring products

Silentstep
Silentstep RU
Soundmat



general
applications

Sorberbarrier
Sorberdamp



SOUND ABSORBERS

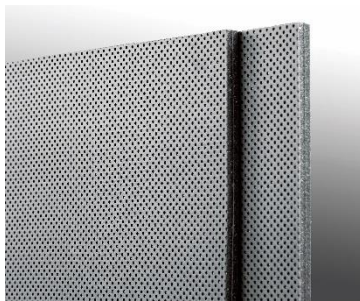


SOUND
ABSORBERS

Sound absorption is the reduction of sound energy by a porous material

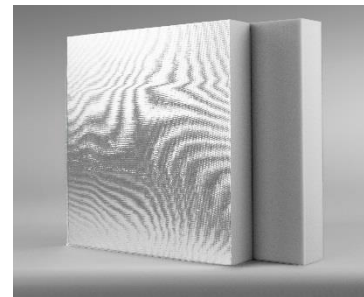
general
applications

Sorberfoam
Sorberzero
Sorberpoly
Sorberscreen



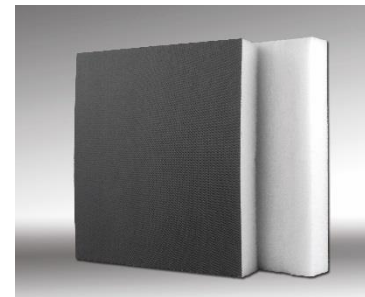
lightweight, low
smoke and fire
retardant

Reapor
Viterolite
Sorbermide
Sorbermel
Sorberglass



surface coverings
and textiles

Sorbertextile



room acoustics –
decorative
panels

Echohush



THERMAL AND FIRE PROTECTION



THERMAL AND FIRE PROTECTION

Anti-condensation coating is a specially designed water-based spray-on coating for corrosion and anti-condensation protection.

anti-condensation coating

Insulcoat



structural fire protection

Ultimate®
Fyrewrap®
Nautilus



fire protection panels

Litecore
Promarine
Modular marine systems
Fire doors



OUR **KEY PRODUCTS** AND INNOVATIONS



Wavebar



概要

Wavebar

→高性能ビニール製高密度遮音材

音響透過減衰に優れており、壁や天井を伝うノイズを反射吸収し、ノイズを低減する。

(特長)

- ・音響透過減衰に優れノイズを抑制
- ・耐候・耐UV・耐溶剤・耐化学品に優れ長寿命
- ・抗張力が高く引き裂きに強い
- ・柔軟性に優れ設置場所に困らない
- ・カットが可能で設置作業が簡単



Wavebar



遮音性能

Wavebarの遮音性能(カタログ値)

厚み (密度)	1.2mm (2kg/m ²)	2.0mm (4kg/m ²)	3.0mm (6kg/m ²)	4.0mm (8kg/m ²)	8.0mm (10kg/m ²)
STC(遮音性能)	21	25	28	31	34

dBの差による聞こえ方(音圧比)

0dB	1倍
3dB	1.41倍
6dB	2倍
10dB	3.16倍
20dB	10倍
30dB	32倍

$$y \text{ (dB)} = 20\log_{10}x \text{ (倍)}$$

Change in Sound Level (dBA)	Subjective Reaction
1 to 2 dB	Imperceptible Change
3 to 4 dB	Just Perceptible Change
5 to 7 dB	Appreciable Change
10dB	Doubling of Loudness



Wavebar

バリエーション

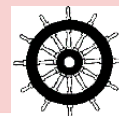


一般用途向け

- **Wavebar Original**
- Wavebar Quadzero

船舶・鉄道車両向け (難燃性素材仕様)

- Wavebar Nonlite
- **Nonlite Quadzero**



その他

- Wavebar dBX
- Wavebar Outdoor

Wavebar

アプリケーション For Marine & Offshore



Pyrotekは世界中の造船会社に吸音材・制振材・遮音材・客室用吸音パネルを供給しています。

Pyrotek製品はInternational Marine Organisation (IMO) 規格に沿った防音性と耐火性能を有しています。

Wavebarはエンジンルームからのノイズや客室間のノイズ遮断します。フレキシブルでカット等加工可能な特徴を生かし、ダクトやパイプなどが組み入った場所でも容易に設置できます。



Wavebar

アプリケーション

For Mass Transport



オーストラリア・チェコの車両や中国版新幹線など、
各国の鉄道車両にも採用されています。



Wavebar

アプリケーション

For Local Transport



中国のローカルバスやオーストラリアのローカルバスARD Australianではエンジンルーム内の防音対策の標準品として使用されています。



Wavebar

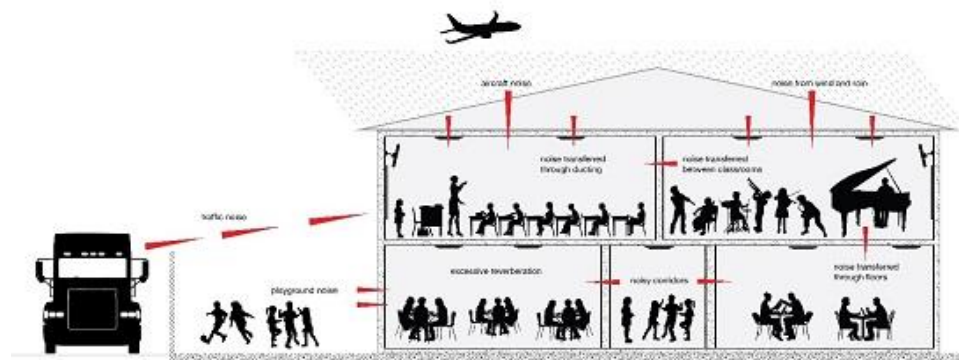
アプリケーション

For Building



ニュージーランドのランドウィックパーク小学校では今まで大雨の際に鋼鉄製の屋根で生じる雨音や他の教室から伝ってくるノイズに悩まされていました。

Wavebarはこれらのノイズの伝送経路を遮断することで、これらの問題を解決しました。



Wavebar

アプリケーション For Industry



Wavebarをカーテン状に吊り下げ、ノイズの発生源を囲むことにより、エリア外のノイズレベルを下げる事が出来ます。逆にオフィススペースを囲むことにより、ノイズによる事務作業等への悪影響を減少させる事が出来ます。



Wavebar

アプリケーション For Machinery



コンプレッサーなど騒音の発生源となる機器をWavebarを用いて直接覆うことでノイズレベルを下げる事が出来ます。



Wavebar

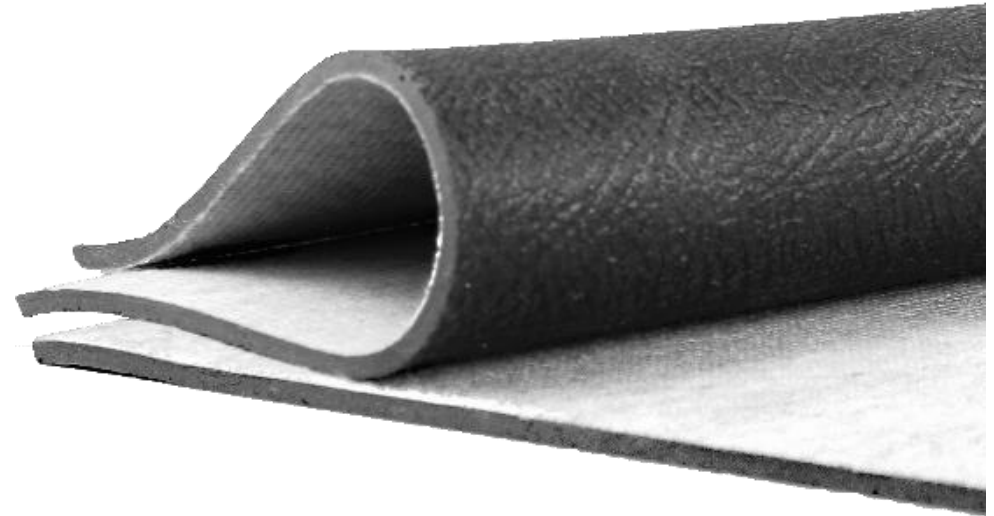


製品仕様

Wavebar Original

- ・ 製品比重 : 2~10kg/m²
- ・ 厚み : 1.2~4.9mm
- ・ ロール幅 : 1380mm
- ・ ロール長さ : 5 or 10m
- ・ ロール重さ : 28~70kg
- ・ 使用温度 : -40~100°C (連続使用)
-40~120°C (バッチ使用)

※ロール単位にてご提供致します



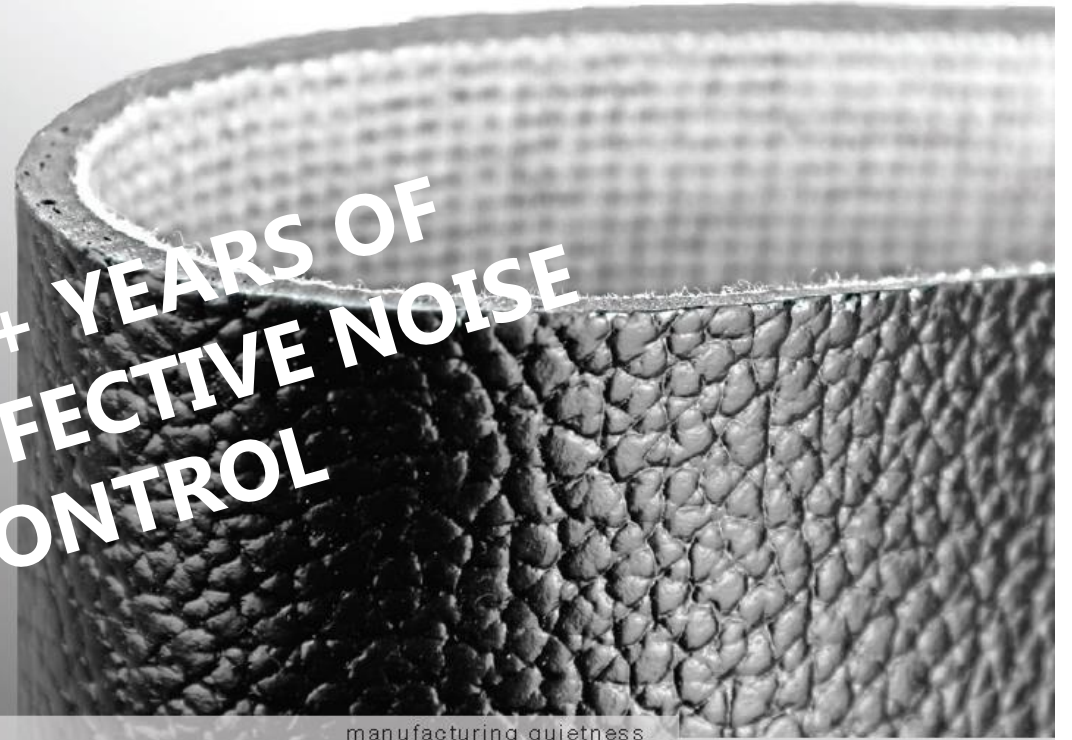


The high quality of Wavebar ensures that even the tightest bends can be made without cracking maintaining acoustic integrity preventing **noise leakage**



STOP NOISE LEAKAGE WITH **WAVEBAR**

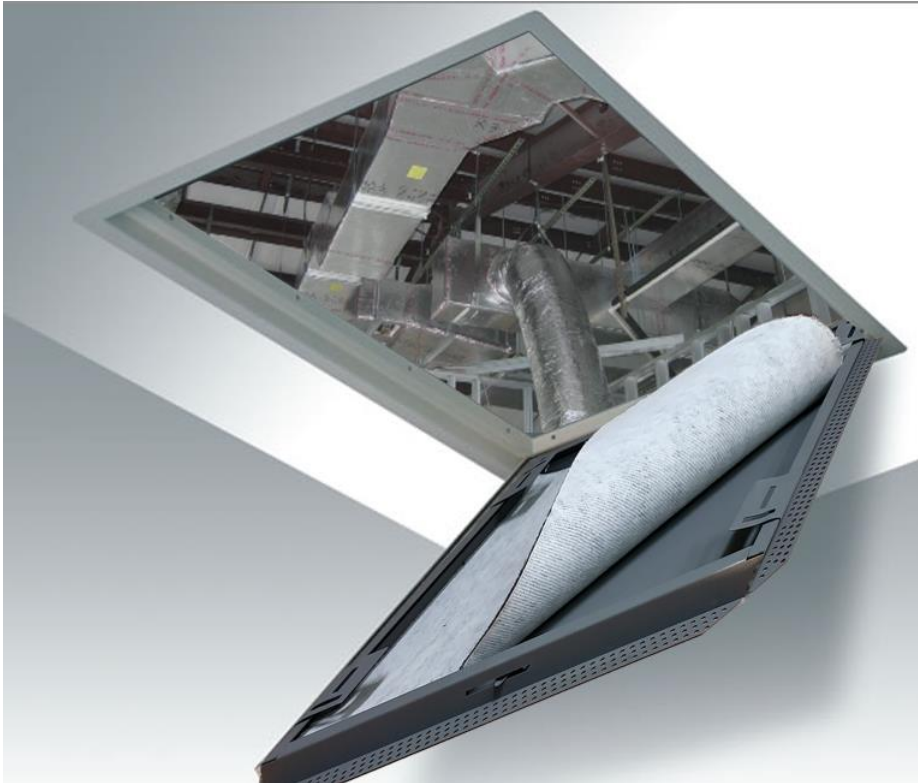
**40+ YEARS OF
EFFECTIVE NOISE
CONTROL**



manufacturing quietness

WAVEBAR STOPS NOISE LEAKAGE

Formulated to seal the smallest gap without splitting. Used to add or increase transmission loss. Suited to applications that require flexibility and low thickness to weight ratio.



Our research shows up to a **12dB performance loss** in a wall from small gaps ○○○○○

- Window mullions
- Seismic joints
- Ceiling plenums
- Power sockets
- Wall penetrations
- Light fittings
- Bottom wall plates
- HVAC penetrations
- Access hatches



Decidamp SP150

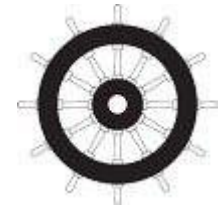


概要

Decidamp SP150 (Soundpaint SP150)

→水性・粘弾性振動減衰複合材料

対象物に塗布することで振動エネルギーを吸収・消散させ、
共鳴振動を低減する。



(特長)

- ・低比重で振動減衰に優れる
- ・厳しい環境条件での使用に耐える
- ・水性塗料タイプで無毒
- ・液ダレしにくく塗布が容易
- ・コテやロール、スプレーガン等で塗布が可能

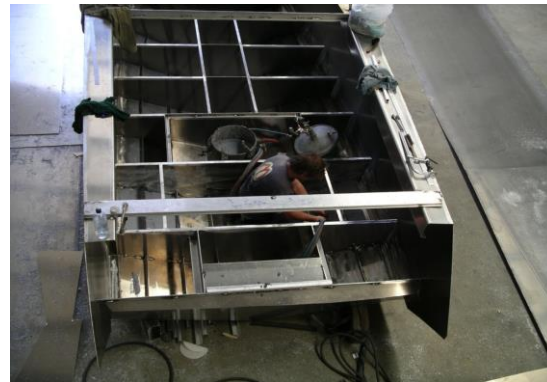
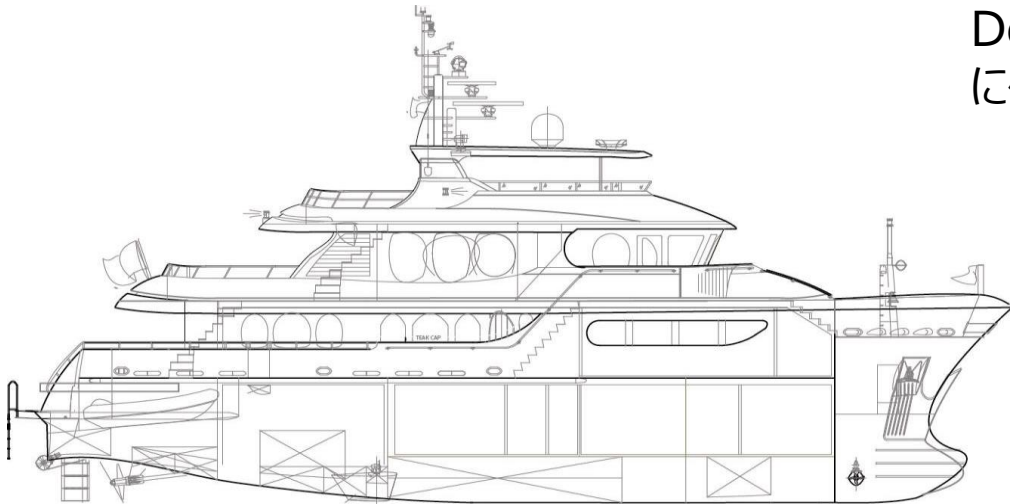


Decidamp SP150



アプリケーション For Marine & Offshore

Decidamp SP150は船舶のハル(船体)やフロア、エンジンルームに使用します。



Decidamp SP150

アプリケーション

For Mass Transport



オーストラリアやニュージーランドの機動車や客室にも使用されています。

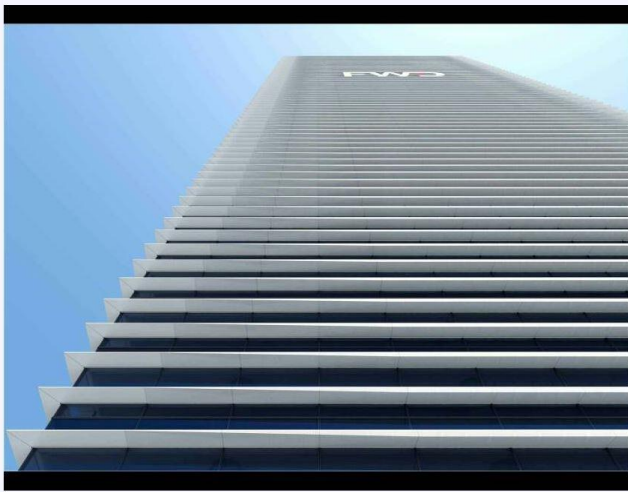


Decidamp SP150



アプリケーション

For Building



ビルのサイディングや工場の屋根に塗布することにより、雨音や風音を低減させることができます。



Decidamp SP150



製品仕様

Decidamp SP150 (Soundpaint SP150)

- ・ 製品比重 : 1.8g/cm³ (乾燥時)
- ・ 色 : グレー
- ・ 使用温度範囲 : -40~160°C
- ・ 塗布方法 : スプレーガン、コテ、刷毛、ローラー
- ・ 内容量 : ペール缶20kg及びドラム缶300kg

※色に関しては他の色もご相談可能

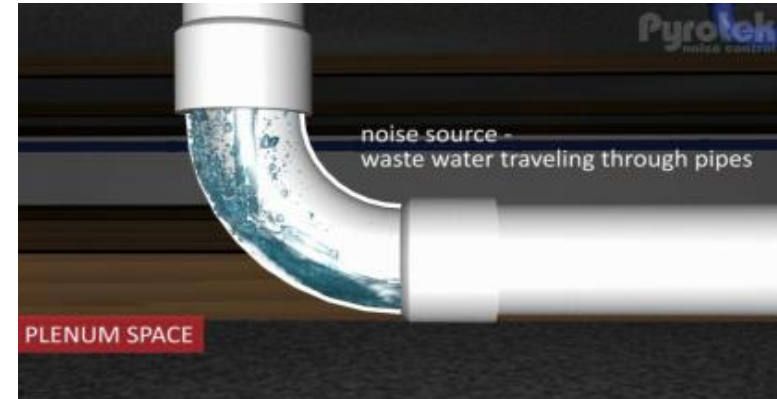
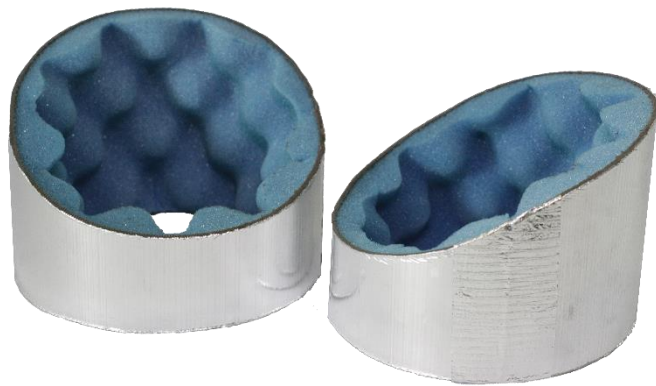


SOUNDLAG



SOUNDLAG 4525C IS AN ACOUSTIC PIPE WRAP COMPRISING OF 5KG/M² FLEXIBLE LOADED VINYL BONDED TO 25MM THICK FLEXIBLE CONVOLUTED FOAM.

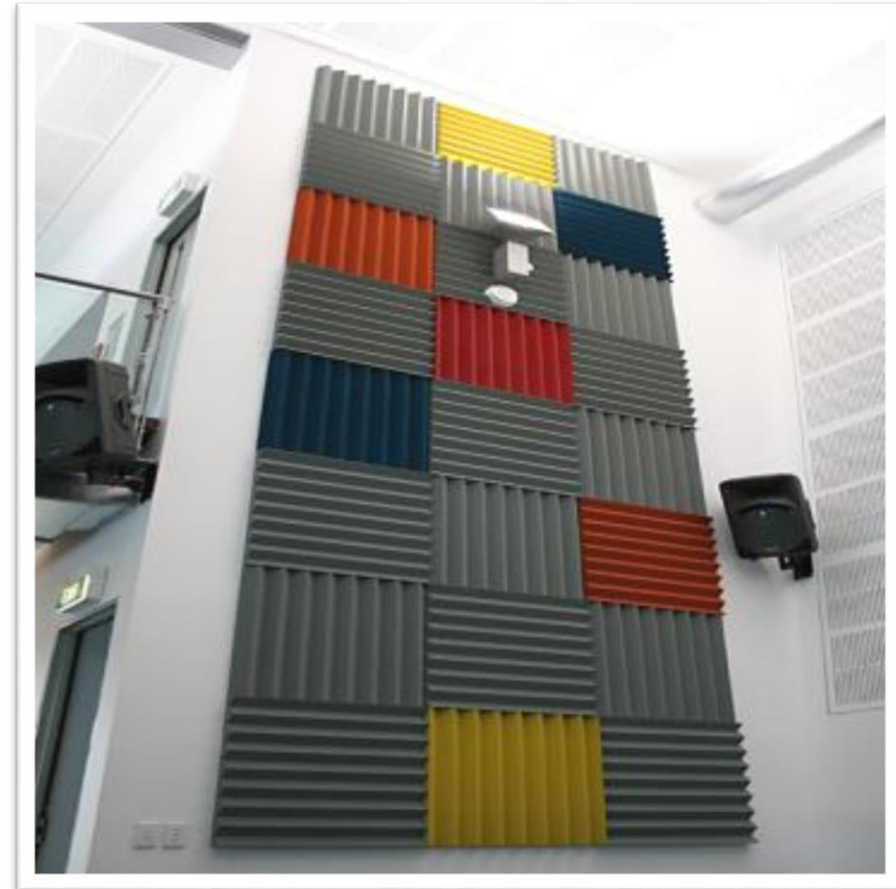
- It is easy to install without specialist tools or trades
- Proven performance with independent lab and field testing
- Product performance is warranted for the life of the building
- No product failures in 15 years of manufacture
- Certified to comply with green building VOC levels



ECHOHUSH



- Echohush profile contoured foam panels
- Echohush Cosmo slotted metal panels.
- Designers selected custom colours or choose from a range of facings.



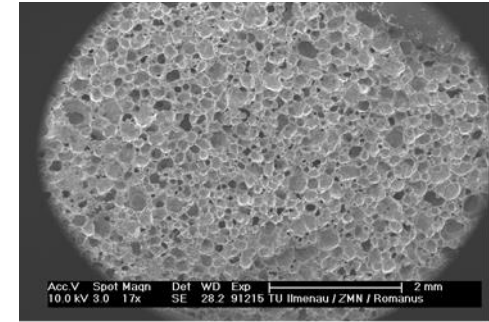
Sylomer Sylodyn from Getzner



- Rise in value through Flexible building insulation
- Better working conditions and greater living comfort
- Excellent properties proven over many years of application
- Quick and easy to install



RECYCLED GLASS AND ACOUSTICS ?

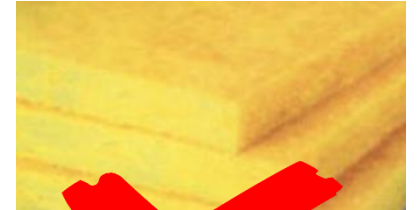


REAPOR & VITEROLITE

30 year design life (using CB Adhesive).



- High sound absorption
- Reapor @50mm NRC .90
- **Non-combustible (REAPOR)**
- Fibre free
- Rigid and durable
- 100% recyclable
- Easily worked
- Lightweight
- Quick and simple to install
- Non toxic, VOC free
- Simply maintained & cleaned
- Paintable or Acoustic finish
- Simple to repair
- Safe to use



REAPOR & VITEROLITE



Infrastructure



Public areas



Noise fences



REAPOR & VITEROLITE



Feature or feature less



Tunnels & ventilation shafts



Our customers demand the luxury of **silence**. We provide them with the best noise solution materials available. Reducing unwanted noise is a science. We are confident that our **specialist knowledge** and dedication to acoustics for over 30 years has allowed us to manufacture and distribute the best possible noise solution for your **acoustic problem**.

