



Stratocell® Whisper®
Sound Absorbing Foam



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Stratocell® Whisper®

Sound Absorbing Foam

Executive Summary

Acoustic sound absorbing panels are used to control problems with noise and sound in all types of indoor and outdoor environments. They make music sound better, allow people to speak and hear better and provide a safer work environment. When you have external conditions to deal with like water, moisture, humidity, dirt, dust, ultraviolet light, chlorine, air, and most harsh chemicals, your choice of acoustic solutions are reduced to just a few.

Products like Polyester and Glass Fiber lose performance when wet. Wood, wool or cement products can weigh up to 40kgs/m², making them difficult to suspend. Bonded aggregates can often price themselves out of the market for large scale applications.

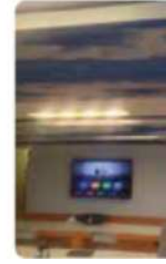
Sealed Air Whisper™ is manufactured to perform in the most rigorous indoor, outdoor and industrial environments. It's washable, very durable, long lasting and usable in hundreds of areas and applications. 50mm Stratocell® Whisper™ has Class A alpha w rating of 1.00. Whisper™ is available in black and natural. Standard sizes include thicknesses of 25mm to 50mm in 1.2m x 2.4m sheet form.



Select Stratocell® Whisper FR for interior and fire rated applications; or Whisper UV for outdoor performance.

Product Code	Material	Size	Alpha w	Class	Colour
100787637	Stratocell@ Whisper™ FR	25mm x 1.2m x 2.4m	0.55	D	White
100787682	Stratocell@ Whisper™ FR	50mm x 1.2m x 2.4m	1.00	A	White
100787704	Stratocell@ Whisper™ UV	25mm x 1.2m x 2.4m	0.55	D	Black
100787705	Stratocell@ Whisper™ UV	50mm x 1.2m x 2.4m	1.00	A	Black

*Note: alternative sizes and colours may be manufactured to order



Product Summary

Stratocell® Whisper™ is a closed cell laminated polyethylene foam which has cells that are subsequently opened through the manufacturing process, resulting in a highly efficient sound absorbent material with many unique features, such as:

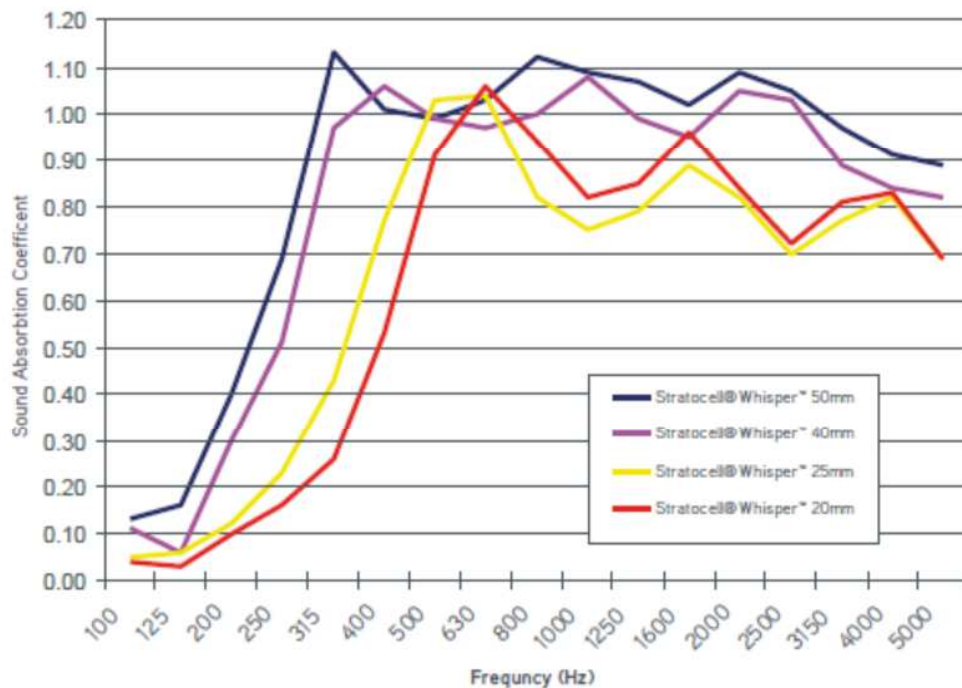
- Superior noise control
- Resilient to water and humidity
- Flame retardant
- Lightweight
- Easy to fabricate
- Non corrosive

Whisper™ Advantages

- Material source reduction
- High performance - Less material required
- No need for a "water shield", perforated metal, or plastic bags
- Easy to fabricate
- Easy to fix and fasten
- Low weight - Light on structure and foundation
- Fibre free
- Excellent acoustic properties
- Flame retardant
- Self standing and structurally independent

Stratocell® Whisper™ Performance

Reverberation Room Testing According to EN ISO 354



Stratocell® Whisper™ FR – Interior Applications

Whisper FR is typically used in most indoor applications to improve the acoustic characteristics of the soundscape by absorbing noise and minimizing reverberation. Whisper™ has been successfully applied in commercial, residential and industrial environments due to its resistance to water, fungal growth, impact, and harsh chemicals. Stratocell® Whisper™ FR foam panels achieved a Group 1-S result in the C/VM2 Appendix A to ISO 9705:1993 as outlined in the New Zealand Building Code. Similarly it achieved Group 1 compliance of the Australian NCC Specification C1.10 to AS ISO 9705-2003 as outlined in the Australian building code. Not only is Whisper FR one of the best acoustic absorbers in the industry, it also has the highest possible fire ratings.

Stratocell® Whisper™ UV – Outdoor Applications

Whisper UV has been independently tested to over 2000 hours in a QUV accelerated aging chamber. Testing showed that after UV exposure, the material exhibited similar acoustic behavior to new material. Whisper UV has been successfully applied to road barriers, bridges, fences and near fans and motors to absorb unwanted noise from traffic, rail, refrigeration, air conditioning, industrial machinery and animals. Whisper UV is rated as a self-extinguishing material to DIN 4102 Class B2.

