

THE SAFE CHOICE

The safe way to improve your acoustic healthcare, is to use Stratocell® Whisper®.

We focus on minimising the precious resources used, in return for a high performing durable acoustic solution. Whisper® has few substitutes with equivalent absorption and mass due to it's unique structure and composition. Stratocell® Whisper® UV is durable outdoors, being tested to 2000 hours accelerated aging, independently assessed as equivalent to 20 years of outdoor life in Spain.

Stratocell® Whisper® is a durable acoustic solution in particular where environmental humidity cannot be efficiently controlled with heating, ventilation and air conditioning. All variants of Whisper® are unaffected by degradation or delamination from moisture damage. Whisper® does not contain, and does not break down into food sources. This means that it does not tend to suffer from attack from mould and vermin.

Whisper® is free of Formaldehyde, has low volatile organic compounds (VOC's), low particle emissions, is fibre-free, and has zero ozone depleting substances. Whisper® goes one step further in indoor environmental performance with museum archival grade Oddy testing to prove that Whisper® does not emit corrosive gasses. Independently proving that it does not affect delicate metals or electronics.

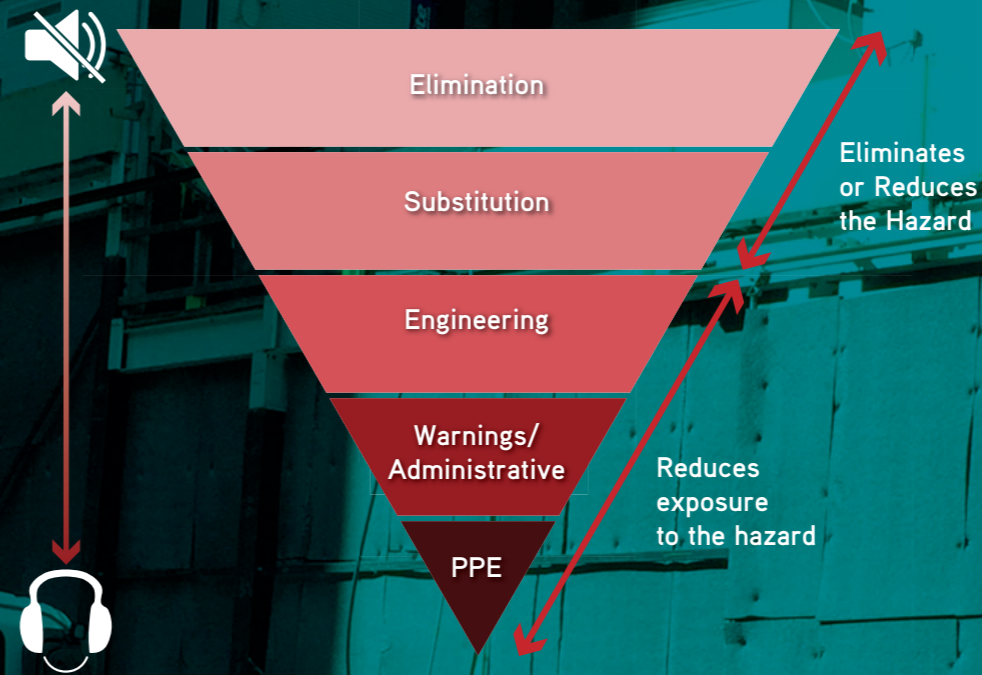
Whisper® passes the rigorous Danish test of indoor climate, and is free of any irritating fibres, the handling requirements for gloves, barriers, and breathing masks are eliminated. Compliance costs can be minimised, and installation efficiency can be maximised.

Where robust, reliable acoustic materials are required, Stratocell® Whisper® delivers. Whisper® is washable, so it's resistant to hydro-alcohol, detergents, quaternary ammonia compounds, and accelerated hydrogen peroxides used as hospital grade virucides.

Whisper® is proven on projects all over the world, from houses in Sydney to school classrooms in Dubai, swimming pools in New Zealand, Generators in Tasmania, mines in Mongolia and high-speed rail noise barrier walls in Germany. Choose Whisper for your next noise reduction solution.

HIERARCHY OF CONTROLS

This hierarchy is intended to provide a systematic approach to control hazards. They are ranked by effectiveness. The controls are less effective as they progress to the bottom of the page. It is common to combine controls. The hazard type, consequence severity, and the risk to workers must be considered when identifying which control(s) should be used. As the risk increases so should the control method.



dB	Actual Sound Pressure Level (SPL) Reduction	Perceived Volume Reduction
3	50.00%	18.77%
6	75.00%	34.02%
9	87.50%	46.41%
12	93.75%	56.47%
15	96.88%	64.64%
18	98.44%	71.28%
21	99.22%	76.67%
24	99.61%	81.05%
27	99.80%	84.61%
30	99.90%	87.50%
33	99.95%	89.85%
36	99.98%	91.75%
39	99.99%	93.30%
42	99.99%	94.56%
45	100.00%	95.58%



A small dB reduction can be a good reduction in energy.



A 3dB reduction can actually halve the noise energy, and can double the available exposure times



It takes around a 10dB difference for most people to physically hear half or double the sound.