

# SOUNDEX® Pile Wrap Attenuator

## Acoustic Enclosure

### Strong and effective

#### Key Product Features

- ✓ Fire resistant
- ✓ Weatherproof
- ✓ Excellent noise absorption
- ✓ Independently tested and certified to BS EN ISO 717-1 : 1997; BS EN ISO 345 : 2003; EN ISO 11654 : 1997
- ✓ Non-irritant acoustic material with no glass-fibre content
- ✓ Held on by magnets - no extra straps required
- ✓ Lightweight
- ✓ Manufactured in the UK

#### Key Applications

- ✓ Piling projects within the rail industry

A product that was designed specifically for piling within the rail industry and its unique design helps to reduce the noise that emanates out of the steel cylindrical piles during impact.

The design incorporates extra strong magnets which hold the attenuator to the pile during each impact. In addition to the magnets each individual attenuator is secured together with a Velcro connection removing the requirement of extra straps or buckles. With each unit only being 500mm long it is possible to remove them in sections as the pile is driven into the ground enabling maximum attenuation throughout the piling process. The remarkably simple system contributes significantly in reducing the noise pollution whilst remaining practical, functional and retaining the visibility required during the piling process.





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### Technical specifications

Dimensions	500mm x 2100mm
Maximum Sound Absorption	46% @ 250Hz 93% @ 1000Hz 98% @ 5000Hz
Maximum Sound Attenuation	18.8dB @ 250Hz 23.2dB @ 1000Hz 32.9dB @ 5000Hz

### Fire ratings

Acoustic Vinyl Membrane	M2 / B1 / BS / B-s2-d0 / NFPA701
Acoustic Core	Class 0
Acoustic Mesh Membrane	M2

### Test data at various Hz.

Hz.	250	500	1250	2500	4000	5000	Rw Value
Reduction dB	18.8	22.8	22.5	27.5	31.1	32.9	24
Absorption αs	0.46	0.70	0.96	0.83	1.00	0.98	0.70

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EN ISO 11654 : 1997.