Noisestop Acoustic Barriers

hales

RETAIL | NOISESTOP | SAWMILLS

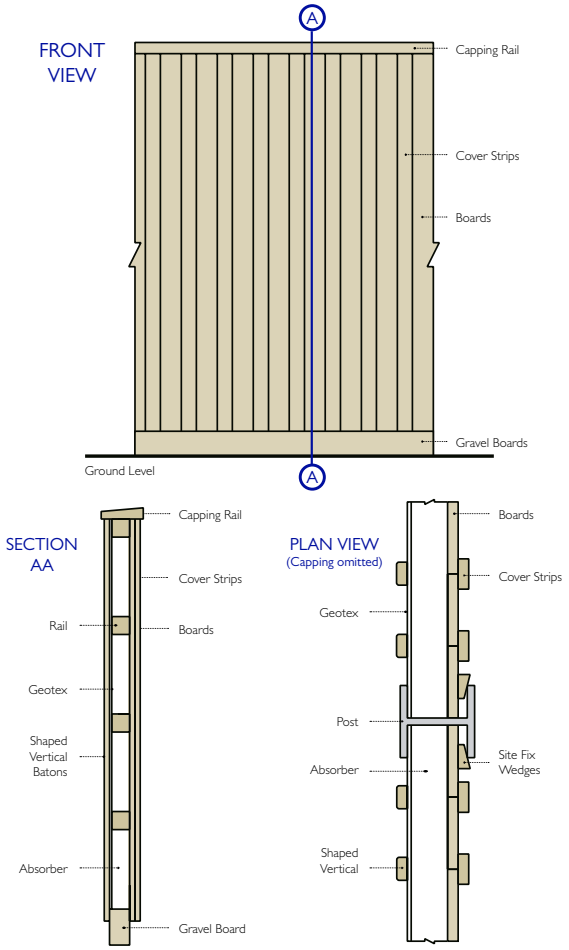
Absorbent Acoustic barriers

Our **Absorbent Acoustic** screens have been a popular option to tackle excess and unwanted noise. They are suitable for many applications including residential, commercial, education, transport and industrial uses.

These acoustic barriers are the perfect solution in order to keep unwanted noise in a contained space due to their two part panel feature.

One side of the panel is reflective consisting of vertical sawn boards and cover strips and the other side of the panel consists of a protective membrane and absorbent material to absorb any unwanted sound and prevent disturbance elsewhere.

These barriers either come loose in kit form to be constructed on-site or prefabricated.



Post options:

These panels can either be constructed using wooden posts or steel posts* depending on site requirements.

Panel sizes:

Depending on site requirements are panels normally come in 2.4m or 3.0m widths with heights varying from 0.5m to 9.0m.

*Please note we don't supply steel posts. These would have to be sourced elsewhere.

How to erect Absorbent barriers

Instructions for LOOSE panels (wooden and steel posts)

Step 1:

The initial stage of any fencing job is calculating your component quantities. In order to determine how many bays and posts you require, please speak to one of our specialist consultants who can help you. They will ask for measurement details of the area you want to cover and how high you want your barrier to be.

Step 2:
Install the fence posts:

- Dig a suitable hole for your posts supplied;
- Place the post into the hole, then half fill the hole with water;
- Pour the dry bag(s) of concrete directly into the hole, until the mix is above the level of the water. You may need to add a little more water at this stage if any dry powder is still visible;
- Agitate the mixture with a stick to ensure that any air bubbles are released;
- Adjust the position of the post so its level and allow it to set.

Repeat process for all posts at your required centres (2.4m or 3.0m) along the length of the barrier, using a taut line from one end of the fence to the other to maintain a straight line.

Step 3:

Fit the gravel boards onto the posts along the bottom of the barrier. Make sure they are buried 50mm into the ground.

Step 4:

Face fix square rails onto the posts with 600mm gaps, using the 600mm spacers provided, allowing for the absorbent slabs to be added later.

Step 5:

On the non-absorbing side of the barrier (facing the area that you are looking to protect from the noise). Attach the vertical boards to the rails using stainless steel nails. The boards need to be nailed onto the rails butted up to each other

Step 6:

Cover strips then need to be attached over the joints where the panels butt up together, using stainless steel nails.

Step 7:

On the front side of the barrier (facing the noise source) infill with 1.2 x 0.6m absorbent slabs and cover over with the membrane securing with stainless steel staples.

Step 8:

Fix cover strips over the membrane with a 225mm spacing.

Step 9:

Finally fix the capping onto the top of the panels using stainless steel nails to allow water to shed in the direction of the post.

Absorbent

How to erect Absorbent Acoustic barriers

Instructions for PRE-FABRICATED panels

Step 1:

The initial stage of any fencing job is calculating your component quantities. In order to determine how many bays and posts you require, please speak to one of our specialist consultants who can help you. They will ask what is the area you want to cover and how high do you wish your barrier to be.

Step 2:
Install the fence posts:

- Dig a suitable hole for your posts supplied;
- Place the post into the hole, then half fill the hole with water;
- Pour the dry bag(s) of concrete directly into the hole, until the mix is above the level of the water. You may need to add a little more water at this stage if any dry powder is still visible;
- Agitate the mixture with a stick to ensure that any air bubbles are released;
- Adjust the position of the post so its level and allow it to set.

Repeat process for all posts at your required centres (2.4m or 3.0m) along the length of the barrier, using a taut line from one end of the fence to the other to maintain a straight line.

Option 1: Wooden Posts

Step 3:
Panels are to be put into place using lifting straps and held in place (when lifting) with a spreader bar connected to the 8.8mm eyebolts supplied in the top rail. Making sure the absorbent side faces the source of the noise.

Step 4:
Gravel boards to be buried 50mm.

Step 5:
Face fix panels to wooden posts by bolting the panels through the rails.

Step 6:
Cover strips then need to be attached over the joints where the panels butt up together, using stainless steel nails.

Step 7:
Finally fix the capping onto the top of the panels using stainless steel nails to allow water to shed in the direction of the post.

Option 2: Steel Posts

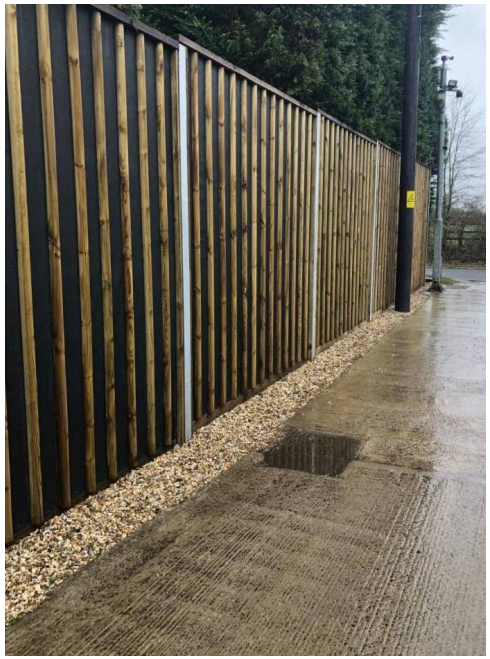
Step 3:
Panels will come 15mm less in width than the posts centres. Panels are to be put into place using lifting straps and held in place (when lifting) with a spreader bar connected to the 8.8 bolts in the top rail.

Step 4:
Gravel boards to be buried 50mm.

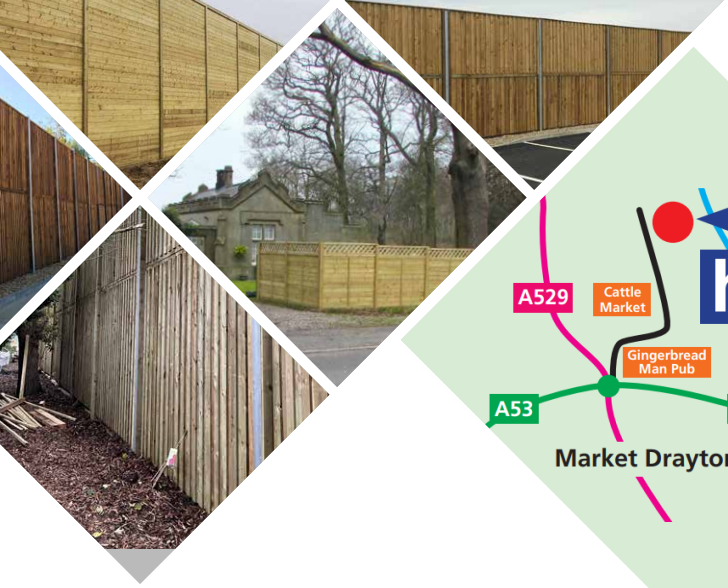
Step 5:
To fix panels in steel posts use timber wedges to hold the panels into place and then bolt the wedges onto the steel posts.

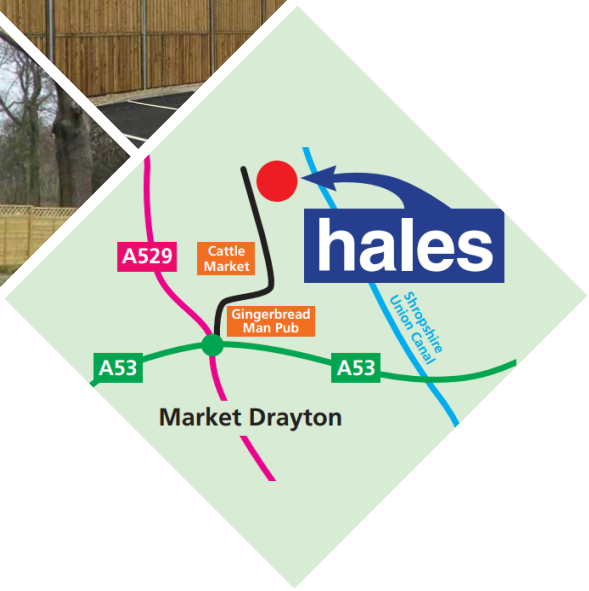
Step 6:
Finally fix the capping onto the top of the panels using stainless steel nails to allow water to shed in the direction of the post.

Absorbent Acoustic barriers - photo gallery



Absorbent





About Us

Established in 1982, Hales Sawmills is a family business now in its third generation. Based in Market Drayton, Shropshire, we manufacture and supply an ever-growing range of **general sawn wood, agricultural timbers, fencing, decking, gates, garden timbers** and **acoustic barriers.**

As a business we operate by a rigorous set of standards covering workmanship, customer service, health and safety and environmental practices. To ensure our timber products have a long and low maintenance service life and are fully protected against wood decay and insect attack, we pre-treat our softwood timbers using the latest timber technology within our own on-site timber treatment facility.

Delivery

We have our own fleet of delivery vehicles including integral off load facilities - which we use to make both local and UK mainland deliveries through England, Wales & Scotland. All drivers have current forklift and moffett licences. We also have FORS silver accreditation as well as CE certification for our acoustic panels.

SILVER
FORS
FLEET OPERATOR RECOGNITION SCHEME
ID:000748

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