



Soundac® Barrier Mat

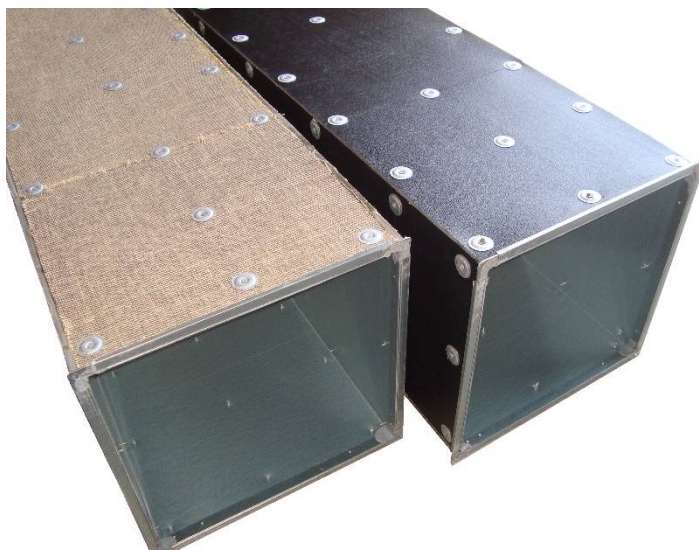
Very flexible vinyl barrier mat for an optimal sound insulation

Soundac® Barrier Mat is a vinyl barrier mat that is very suitable for improving the sound insulation of steel, aluminium, wood or plastic materials. The best sound reductions can be achieved if the subsoil is lighter than the barrier mat.

Soundac® Barrier Mat is very effective in overcoming the coincidence resonance dip that is found in stiff and lightweight sheets of e.g. steel, aluminium and wood. The Barrier Mats are commonly used in plywood floor of motor yachts, airducts and partition walls. These sheets are well suited and easily combined the sound absorbing Soundac® AS and Accent.

Description

Soundac® Barrier Mat is composed of polymers filled with the natural mineral barium sulphate. The product is free of heavy metals and bitumen.



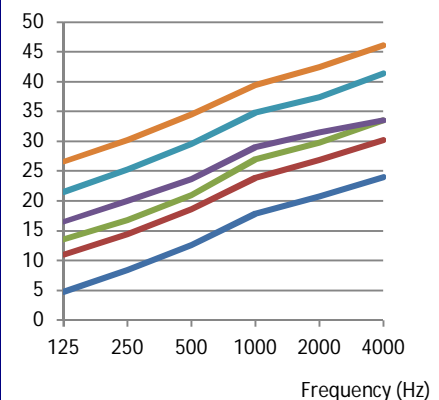
Soundac® BM1094 en IS240HH on airducts

Properties

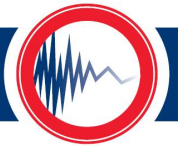
- Sound insulating
- High density
- Very flexible
- Available from stock
- CE-certificate for yacht building

Airborne sound insulation R (dB)

NEN-EN-ISO 140



Type	kg/m ²	R _w
BM0020	2.0	14
BM0040	4.0	20
BM0050	5.0	22
BM0070	7.5	25
BM1094	14.0	30
IS240HH	24.0	34



Converting

Soundac® Barrier Mat is easily cut to size with a knife, saw or scissors. Before application the subsoil needs to be dry and free of dust and grease. Preferably the sheets needs to be fully glued to the subsoil with a contact glue suitable for vinyl materials. For an optimal mounting the sheets should be mechanically attached to the subsoil with a spacing of approx. 20 cm.

To avoid leakage of noise and for an optimal sound insulation it is important that the sheets are well connected to each other. Seams between sheets and connections should be sealed properly with an elastic sealant.

Customization

It is possible to produce specific types to your requirements. It is also possible to convert Soundac® Barrier Mat in our own production facility in any desirable dimension. We have several possibilities of which we happily inform you.

Characteristics

- Type material PVC (Polyvinylchloride)
- Base colour Anthracite
- Possible finishing Hessian backing, black topcoat
Hessian backing on both sides
- Density 2,500 kg/m³
- Fire behaviour FMVSS 302 self-extinguishing
- Thickness tolerance* -10%/+20%
- Weight tolerance -10%/+10%
- Hardness 90 Shore A
- Tensile strength monolayer 2.6 MPa (gem.), 1.1 MPa (min.)
- Elong. at break monolayer 100% (gem.), 30 % (min.)
- Operating temperature -30°C to ca. +93°C
Short exposure to extremes
- Soundac® BM/IS will naturally have a slight vinyl odour



Hessian backing and black topcoat



Hessian backing on both sides

CE-certificate

Soundac® BM-materials are in compliance with directive RL 2013/53/EU (ISO 4589-3 : 1996), which makes them suitable for use in yacht building.