



Soundac[®] IS

Flexible barrier mat with on both sides hessian



Description

The Soundac[®] IS mat is a vinyl sound barrier mat composed of polymers filled with the natural mineral barium sulphate free of lead, unrefined oils and bitumen. The hessian back on both sides is used for added strength, dimensional stability and an easy surface to use glue on plywood for example. The mat is usually fixed in intimate contact with the original panel.



Type	Weight	Thickness*	Rw
Soundac IS60H	6.0 kg/m ²	2.8 mm	ca. 23 dB
Soundac IS80HH	8.0 kg/m ²	3.5 mm	ca. 26 dB
Soundac IS140HH	14.0 kg/m ²	6.5 mm	ca. 30 dB
Soundac IS240HH	24.0 kg/m ²	11.0 mm	ca. 34 dB

This flexible barrier mat with high density is designed to improve the sound insulation of existing panels of metal, aluminium, wood, plastic, etc.

The sound barrier mats are well suited and easy to combine with the Soundac[®] AS sound absorbing foams.



Stock

Our barrier mats are produced in standard sizes and are always in stock. Product specification tailored to your requirements is possible. Please contact us for a quotation and availability in the different dimensions.



Application

Soundac[®] IS mats are very effective in overcoming coincidence dip resonance found in stiff lightweight composites such as plywood sheets and hollow core panels.

Examples of applications are floor and wall panels, the reduction of sound of engines, machines, compressors, generators, sound insulation of air ducts, piping and separation walls.

Soundac[®] IS can also be used as free hanging acoustical curtain.

CE - certificate

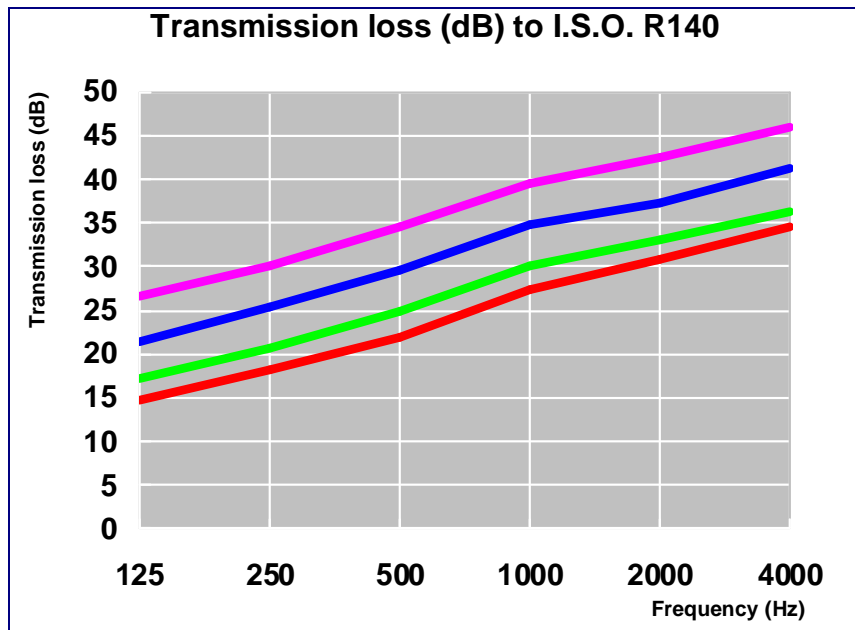
Soundac[®] BM materials are in compliance with directive 94/25/EC as amended by 2003/44/EC (ISO 4589-3 : 1996), which makes them suitable for use in yacht building.





Converting

To prevent sound leakage all joints between the sheets and at pipes, air ducts etc. should be sealed thoroughly.

The mat should by preference be glued with the whole surface to the subsoil.

Transmission loss (dB) to I.S.O. R140



	Soundac [®] IS240HH	Rw = 34 dB
	Soundac [®] IS140HH	Rw = 30 dB
	Soundac [®] IS80HH	Rw = 26 dB
	Soundac [®] IS60HH	Rw = 23 dB

Physical properties

• Type material	PVC (Polyvinylchloride)
• Base colour	anthracite
• Surface	both sides hessian
• Density	2300 kg/m ³
• Burn rate	FMVSS 302 self extinguishing
• Operating temperature	-30°C to ca. +65°C

This information is based on our general experience and given in good faith but, because of the many factors outside our knowledge and control which may affect the product, no warranty is given or is to be implied with respect to such information.

* Soundac[®] materials are made to weight tolerance.