

## SIREX® IS BARRIER SHEET

### DESCRIPTION

Mineral loaded PVC sound barrier mat with hessian facing for added strength and dimensional stability.

### APPLICATION

Designed to improve the sound insulation of existing panels of metal, wood, plastic etc. at all frequencies. Barriers of this type are currently supplied for use under bus floors, to provide bulkhead noise insulation in light commercial vehicles and lower weight versions are used in passenger cars.

### SPECIFICATION

Surface weight                    **SIREX® IS-80-HH**..... 8 kg/m<sup>2</sup> ± 10%  
    **SIREX® IS-140-HH**..... 14 kg/m<sup>2</sup> ± 10%  
    **SIREX® IS-240-HH**..... 24 kg/m<sup>2</sup> ± 10%

Nominal thickness            **SIREX® IS-80-HH**..... 3.5 mm  
    **SIREX® IS-140-HH**..... 6.0 mm  
    **SIREX® IS-240-HH**..... 11.0 mm

Maximum operating temperature..... 65°C

Flammability..... FMVSS302 Self Extinguishing

<b>Resistance to fluids</b>	<b>Splashes</b>	<b>Total immersion</b>
Water	no effect	no effect
Diesel oil	no effect	no effect
Engine oil	no effect	no effect
Brake fluid	no effect	no effect
Gasoline	no effect	slight swelling

# TECHNICAL INFORMATION

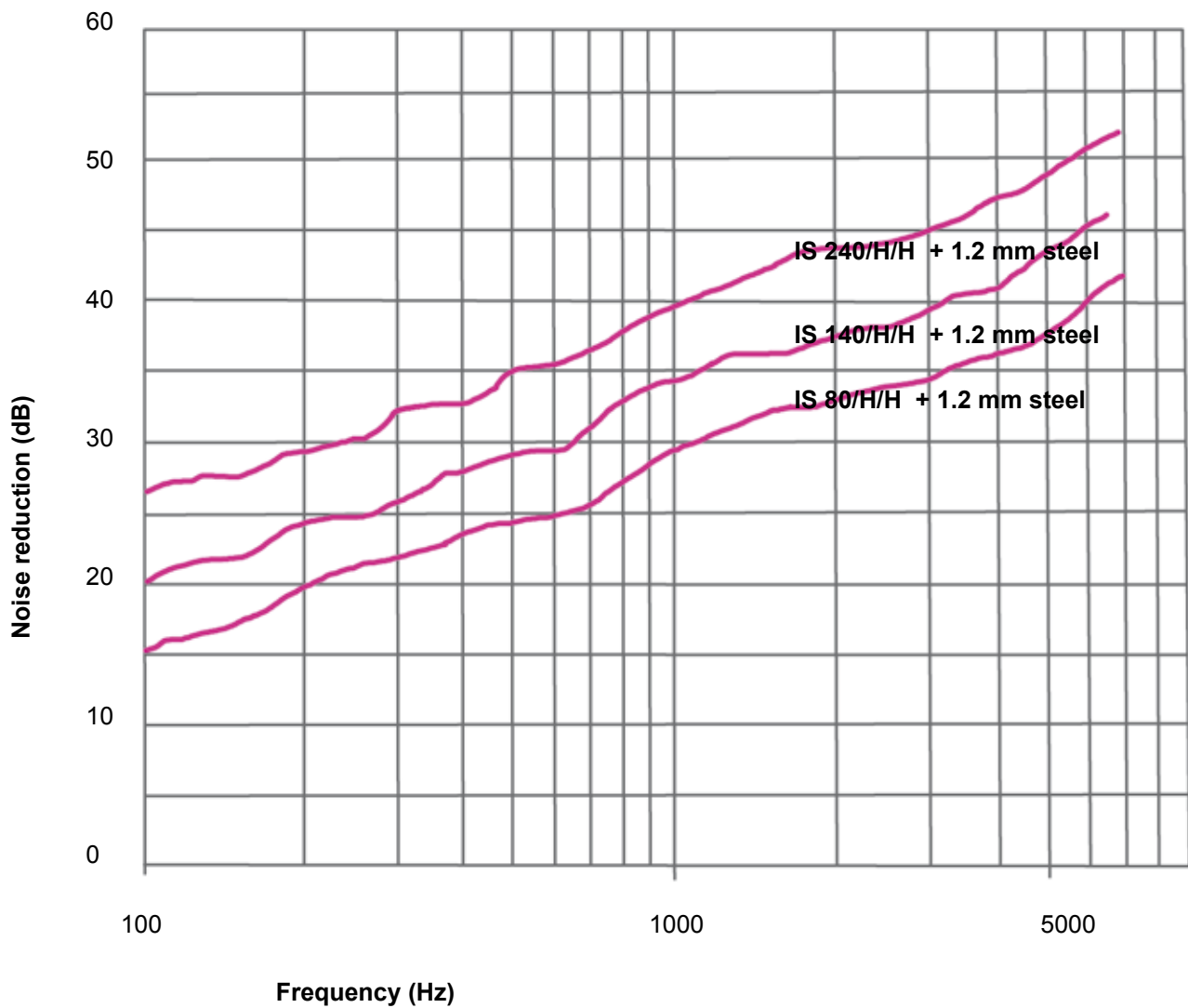
## SIREX® IS BARRIER SHEET

### Acoustic performance

(test method ISO/R/140) when attached to 1.2 mm steel:

Mean Sound Reduction Index	<b>SIREX® IS-80-HH</b>	plus steel - 32 dB
	<b>SIREX® IS-140-HH</b>	plus steel - 35 dB
	<b>SIREX® IS-240-HH</b>	plus steel - 39 dB

### Transmission Loss versus Frequency



# TECHNICAL INFORMATION

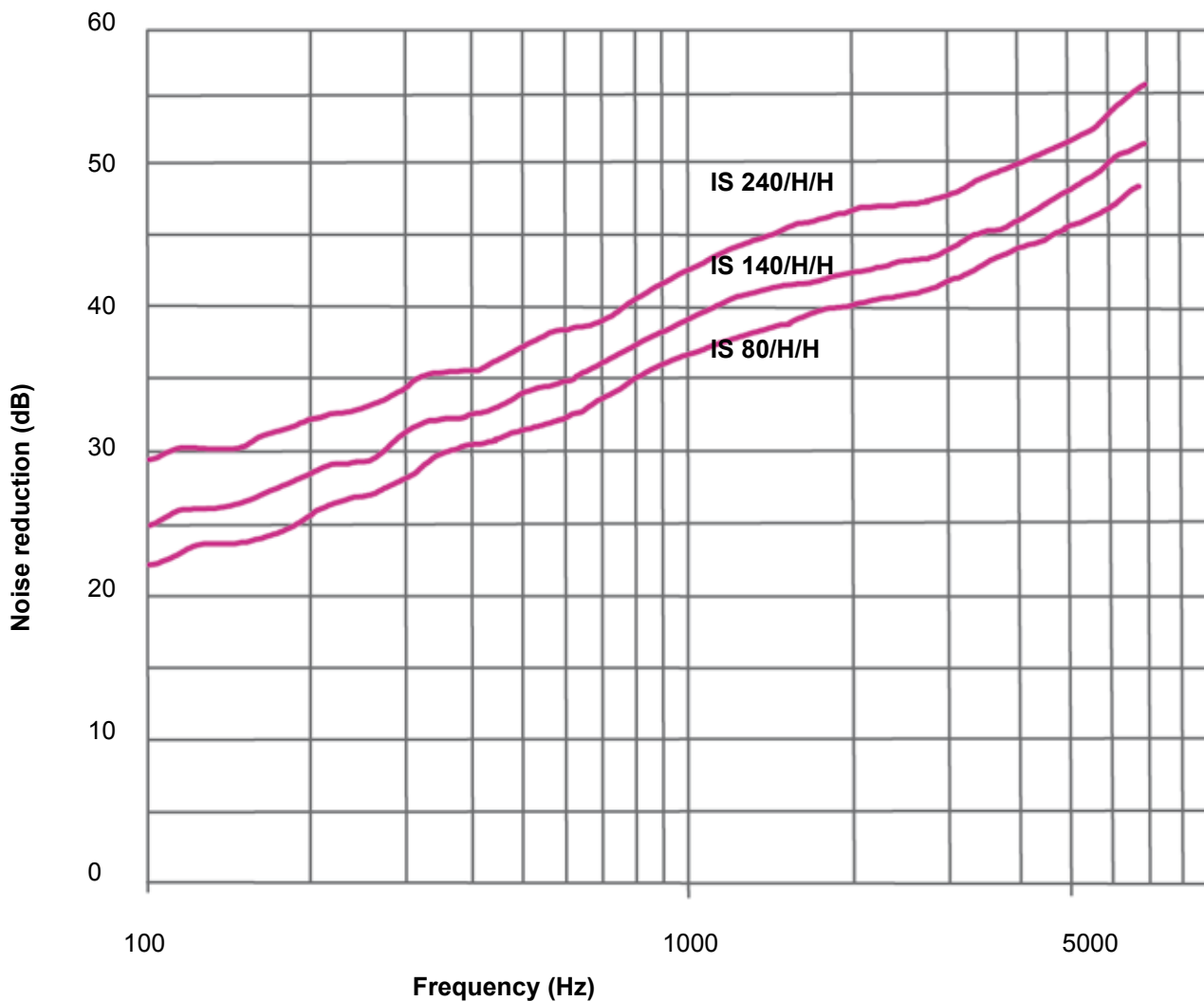
## SIREX® IS MATERIAL

### Acoustic performance

(test method ISO/R/140) when used as the sole barrier against noise:

Mean Sound Reduction Index	<b>SIREX® IS-80-HH</b>	26 dB
	<b>SIREX® IS-140-HH</b>	31 dB
	<b>SIREX® IS-240-HH</b>	36 dB

### Transmission Loss versus Frequency



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**imbema kunststofchemie**

**Sirex®**

**Imbema Kunststofchemie B.V.**  
Nijverheidsweg 5-7  
Postbus 160 NL-2000 AD Haarlem  
T +31 (0)23 517 24 24  
F +31 (0)23 532 65 21  
info@imbemakunststofchemie.nl  
www.imbemakunststofchemie.nl  
Een onderneming van de Imbema Groep.

**Filiaal Duitsland / Niederlassung Deutschland**  
Enzstraße 17, D-70806 Kornwestheim  
Postfach 1947, D-70799 Kornwestheim  
T +49 (0)7154-3091  
F +49 (0)7154-24714  
sales@imbema.de  
www.imbema.de  
Ein Unternehmen der Imbema Gruppe.

