

Soft dB

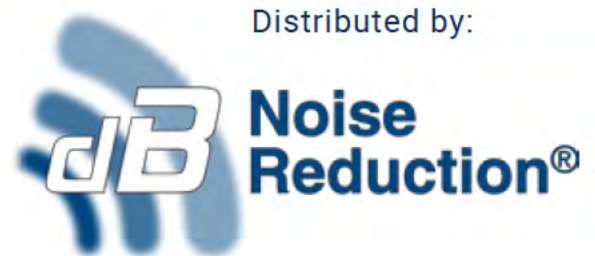
Heavy Duty Soundproofing



Soundproofing Blankets
Isotex-dB

Distributed by:

SOFTDB.COM





Who Are We?

Soft dB has been providing acoustical and vibration consulting services since 1996. Its PhDs, engineers and technicians have undertaken numerous environmental, industrial, architectural, mining, commercial, institutional and residential projects.

For all types of noise and vibration control problems, Soft dB has expertise at the cutting edge of acoustical knowledge.

Soft dB has offices located in Boston, Montreal, Quebec City, Malartic and Luxembourg. Our acoustics & vibration experts provide consulting services all across United States, Canada, Europe, and Africa.



Isotex-dB

INDUSTRIAL GRADE COMPOSITION



1. An outer protective fabric layer with robust bands and fasteners prevents noise leakage and makes the cover both waterproof and UV resistant.



2. A sound-blocking layer composed of a mass-loaded polymer material prevents noise propagation.

3. A high-performance mineral fibre layer efficiently absorbs sound.

4. A Silicone-impregnated inner fabric layer provides industrial strength over a wide range of temperatures and contaminants.

OPTIMAL PERFORMANCE

Isotex-dB soundproofing blankets are effective in reducing noise from industrial equipment, especially at low frequencies. Having an STC 33 sound insulation index, these covers are the ideal solution for your noise problems.

Before / After



Turnkey Solution



1 Quotation and Evaluation On-Site

Our team will travel to the project site to evaluate the facility and accurately assess your needs.



2 Design and Manufacturing

The design is customized for the exact dimensions of your equipment. The manufacture of the panels is then made in the factory.



3 Installation

We provide detailed installation plans so that your team or ours can install the blankets.

VARIOUS APPLICATIONS

Isotex-dB soundproofing blankets are suitable for industrial use both outdoors and indoors. They make a significant difference to the sound level radiated by the equipment they cover by acting directly at the source of the problem.

STATIONARY EQUIPMENT

- Lightweight Structures;
- Machinery;
- Compressors;
- Pipelines;
- Etc.



MOBILE EQUIPMENT

- Trucks;
- Heavy Machinery;
- Ships;
- Etc.



Electrical Equipment

Soft dB has installed the **Isotex-dB** soundproofing blanket system on several electrical transformers to significantly reduce the noise emitted by these devices.

Electrical equipment such as power transformers generally produce noise at low frequencies, which are the most difficult to attenuate.

Isotex-dB soundproofing blankets have been specially designed to effectively reduce this type of noise radiation.



A Unique Solution!

Based on an exclusive patented design*, **Isotex-dB** soundproofing blankets are the only ones to provide the ease of installation provided by magnetic anchors. The panelized blankets are mounted to a stainless-steel frame fitted with magnetic anchors, allowing the frame to be installed and removed rapidly, without drilling or damaging the equipment being treated. The system is ideal for all types of metal surfaces.

Thanks to its flexible and customized designs, **Isotex-dB** soundproofing blankets perfectly fit the shapes of geometrically problematic equipment to ensure maximum efficiency.

** A system and a method of attaching and supporting sound reduction or thermal insulation blankets to metallic machinery or structural frames. ID: 773/12562.35*



AN OUTSTANDING PARTNER

Developed in collaboration with our insulation partner, **Isotex-Pro International (IPI)**, **ISOTEX-dB** soundproofing blankets ensure impeccable quality.



SPECIFICATIONS

Transmission Loss						
125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	STC
14	22	29	39	41	38	33

Assessed according to ASTM E2249-02 (2016)

Absorption Coefficients						
125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	NRC
0.52	0.76	0.83	0.73	0.54	0.41	0.72

Assessed according to ASTM C 0423 (2002)

Environmental	
Temperature	-40 °C to 149 °C (-40 °F to 300 °F)*
Water	Water Repellent

*High-temperature resistant and spark resistant versions are available

Physical	
Thickness	100 mm (4")*
Area Density	16.1 kg/m ² (2.4 lbs/sqft)

*50 mm (2") thickness are available.

Options and Accessories	
Fastening	Velcro, Hem or Eyelet
Mounting	Custom Aluminium Frame and Hardware available
Sealing	Velcro Sound Barrier Strips



Soft dB



Contact Us

USA

Columbus, OH
Houston, TX
(614) 290-9791



Canada

Cambridge, ON
(519) 651-3330



Technical Support

info@dbnoisereduction.com

Sales & Estimating

sales@dbnoisereduction.com

www.dbnoisereduction.com



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