

## ***dBcloth***

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dBcloth acoustical foams are designed to provide maximum absorption of airborne sound with minimum thickness and weight. These flexible polyurethane open cell foam products are manufactured to optimize pore size, air flow resistance, and density.

Sound energy, passing through the cell structure, is converted into minute quantities of low grade heat that is easily dissipated. Since the uniformity of the cells are carefully controlled the efficiency is constant and predictable from one installation to another.



Many applications require these products to be subjected to environments such as dirt, moisture, chemicals, and abrasion that could be hostile to an unprotected foam. These products go through various surface treatments to protect the integrity of the foam from these elements. These facings will increase the absorption properties of certain frequencies as well as provide a cleanable, decorative and durable finish for a wide variety of applications.

Acoustical kits are often the most cost-effective way to deal with noise in an OEM application. These parts are ready to install and usually have an aggressive pressure sensitive

adhesive (PSA) for fast and permanent bonding. This part (shown above) goes inside a blower housing and has a perforated outline. This allows the assembly personnel to remove a section easily when an optional bracket is installed.

**dBcloth Foams** can be purchased in rolls or sheets. They are easily cut with a knife, saw or scissors. The addition of pressure sensitive adhesive provides a convenient method of fastening to most substrates.

All **dBcloth** products can be made in combination with **dBmat** barrier systems when both absorption and transmission loss is needed, or VETM damping systems, when enhanced vibration control is required.



**Foam is the most versatile of all noise control materials. dB Engineering has the right foam for your application.**