

Profoam - profiled acoustic foam panels

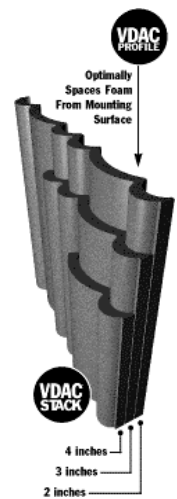


- Acoustic foam provides the most cost-effective approach to controlling interfering reflections and noise.
- Profoam optimises the performance and appearance of conventional acoustical foam.
- This new nestable profile utilizes a Variable Depth Air Cavity (VDAC) to strategically space most of the foam away from the mounting surface for optimum absorption efficiency and economy.

**PROBLEM**

There are three aspects of conventional foam that can be optimised:

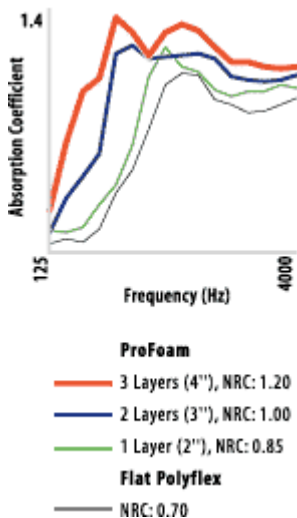
1. Conventional flat backed wedge and convoluted foams are applied directly to the mounting surface, where the particle velocity is zero. Since no absorption can occur when the particle velocity is zero, a significant portion of solid foam is wasted.
2. To provide appropriate absorption coefficients, conventional foam is sold in several thicknesses. If an application requires additional absorption at a later date, the existing foam must be removed and a panel of greater thickness applied.
3. Conventional foam has limited interior design application because of its "industrial" appearance and potential safety hazards.



**SOLUTION**

To solve these problems, ProFoam incorporates an innovative, attractive, and universal profile to space most of the foam away from the surface for optimum absorption. Since ProFoam is nestable, one size generally fits all applications.

Unlike conventional foam, additional absorption can be achieved at a later date by simply adding additional nestable layers to form a thicker stack. ProFoam's unique attractive shape allows it to be used as a design element. When formed from fire retardant Melamine, ProFoam can be used in all spaces that require Class0 fireproof interior finish treatment.



**ABSORPTION**

VDAC technology provides minimum point of contact with the mounting surface, thus enabling most of the foam to be positioned away from the wall for optimum absorption. Unlike conventional foams that are applied in a fixed thickness, additional absorption can be achieved by simply stacking new layers on top of the existing ProFoam.

**INSTALLATION**

ProFoam is quick and easy to install. Simply apply foam adhesive to the ridges that contact the mounting surface. Hold ProFoam in place until the adhesive cures.

Size: 1200mm x 600mm x 50mm

Colour: polyurethane grey / purple / fabric covered

melamine white / fabric covered