

## *Acoustiblok® ‘v’ Mass Loaded Vinyls*

Acoustiblok® Sound Isolation Material is held as the reference for barrier type noise isolation materials. It is often heard that manufacturers of similar looking barrier materials are saying “Our product is the same as Acoustiblok”, - it is not.

The Acoustiblok® is a proprietary formulated viscoelastic polymer that is unmatched in either acoustical and fire performance or in international industry acceptance.

Acoustiblok® has achieved the optimum balance of mass, flexibility and fire resistance with our proprietary formulation. While published densities of 4.88kg/m<sup>2</sup> - 11lb/ft<sup>2</sup> is often used as the validating point for the products being the same; the reality is, if you compare same size samples side by side you will find that there are significant weight and flexibility differences between the materials. Some similar materials are stiff and heavy; others are limp and light, and others in between. Acoustiblok’s unique material composition expends the greatest amount of acoustical energy of any similar product or assembly size.

Acoustiblok® Sound Isolation Material has been extensively tested acoustically by independent accredited facilities, within many different wall and floor/ceiling configurations. Laboratory tests provide an accurate baseline of performance repeatability in your project installations. “Field tests” should never be used for establishing project performance specifications due to the many variations of materials, installation, room sizes, etc.

Many of the manufacturer’s published acoustical ratings are nothing more than copied ratings from other similar material websites, marketing brochures, or are calculated values. In fact, no ‘equivalent’ product, that we are aware of, has actually been tested and produced a valid test report to substantiate their claims. Ask for a certified copy of any specification or U.L. classifications claimed which must be in their name. As the manufacturer, Acoustiblok’s proprietary formulation and manufacturing process controls are regularly monitored by U.L. Labs to assure consistent product performance.

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STC ratings are only a portion of the acoustical differences. Acoustiblok® has performed extended frequency testing of its wall assemblies to provide a more accurate “real world” performance reference. STC ratings are established based upon transmission losses of frequencies only between 125 and 4000 Hz. This test specification was established long ago to cover basic vocal ranges. Today's lifestyles of higher density living, modern electronics, and other factors show that this limited test does not provide an accurate indication of the assemblies effectiveness in present day living. Extended frequency testing shows that Acoustiblok® provides an incredible 23db reduction at 40 Hz, in a standard single stud assembly with only one layer of Acoustiblok®.

**Due to the proprietary formulation of Acoustiblok® it is approved (classified) for more (over 300) U.L. rated construction assemblies than any other sound abatement product.** To our knowledge there is not a similar tested product that has proper U.L. classification at all. Many manufacturers state approval to a UL94 standard which is not applicable for building construction applications. In UL94 spec paragraph 1.5 it specifically states “These requirements do not cover plastics when used as materials for building construction or finishing”. Acoustiblok® is a self extinguishing material while many of the similar products are rubber based materials that are combustible.

Acoustiblok® Material is rated with the highest score possible (10) for protection against mold & mildew growth (independent & certified ASTM D3273 test). **We know of no other similar product achieving an acceptable rating let alone the highest rating.**

Acoustiblok® Material is also good for the environment as it is a recyclable product and it is manufactured using over 80% organic and recyclable material content. Non hazardous, odor free and will not diminish in performance over time.

Using a name brand product which is recognized and installed throughout the world will of course add to the resale value and credibility of any building.