

Resilient Partition Isolation Pad Model Wallmat

Partition Isolation Theory:

Preventing airborne noise and structure-borne vibration from passing through walls into adjacent spaces is not only a comfort concern; it has become mandatory with new, stricter building codes. Noise prevention is achieved by two methods. The first is to decouple the partition from the structure. This prevents structure-borne noise from flanking through the wall into the spaces above and/or below the treated area. The other method is to increase the STC value of the partition itself. This reduces direct noise transmission between two spaces, as does a wall between a mechanical room and an office space. It is important to note that both methods may need to be employed to satisfy noise control requirements. Kinetics Noise Control partition noise treatment products are key components that ensure partitions perform as designed.

Application:

Kinetics Noise Control's Model Wallmat resilient partition isolation pad offers designers a quick and easy solution for resiliently decoupling a soundrated partition from non-isolated structure. Flanking of sound through a floor/ceiling assembly can reduce STC (airborne noise) or IIC (impact noise) ratings 10 points or more versus non-flanked sound control construction. Frequently used in conjunction with other Kinetics sound isolation products, Model Wallmat creates a resilient break to stop sound or vibration from flanking around a sound rated assembly. Neoprene bushing assemblies (Model KAI) used at each anchor point through the top and bottom plates of the stud wall ensure effective isolation. Apply Model Wallmat continuously along the bottom and top plates of a stud wall wherever acoustical isolation is required to maintain a fully effective sound rated assembly. For isolating masonry walls, see our higher load capacity Model NAFP-10.



Isolate Top or Bottom of Stud Wall with Wallmat and Anchor Isolator (Model KAI)

Benefits:

- Easy to install pre-cut strips
- · Field cut to length with a utility knife
- · Continuous resilient support of the partition
- · Engineered for a wide range of studwall loads
- · Use Model KAI isolation bushing assemblies for 100% resilient separation
- · Use for both top and bottom plate installation
- · Use Wallmat and the KAI bushing in UL system no. HW-D-0031, single steel stud, and system no. HW-D-0447 double steel stud, for sound control in dynamic head-of-wall joint systems.

KINETICS ARCHITECTURAL SOUND ISOLATION



Download Model FLM information at www.kineticsnoise.com/arch/flm.aspx. Call the factory at 800-959-1229 if needing additional information; ask for Architectural sales. Purchase Kinetics Model FLM and accessories through your local sales representative (www.kineticsnoise.com/arch/rep/).

Kinetics Noise Control, Inc. is continually upgrading the quality of our products. We reserve the right to make changes to this and all products without notice.