

KINETICS® Wood Acoustical Doors

KWAD-49

KWAD-35



Benefits

- Improves the integrity of isolated room design
- Available with jambs (pre-hung) or as slab-only
- Custom manufactured
- Sound-rated gaskets, in a wide variety of options, are available to effectively seal air-gaps between the door and frame.

Overview

Room isolation designs are only as good as their weakest link, and residential doors present several challenges that can be met with Kinetics' line of wood acoustical doors. First, the door itself, if not well-constructed, will transmit sound energy from one room to another. Second, air gaps around the perimeter of the door, if not sealed, are easy pathways for sound to transfer to adjacent spaces. Additionally, most sound-rated doors are made of metal and are not attractive in residential environments.

Kinetics offers custom-manufactured STC-49 and STC-35 sound-rated acoustical doors which have been specifically designed for residential environments. Included are head and jamb seals and sweeps which prevents sound leaks from the room. These doors are available in a wide variety of wood species or they can ship in a paint grade finish.

General Description

Noise Ratings

- STC 49 KWAD-49 Provides superior performance for critical room isolation designs
- STC 35 KWAD-35 Provides a cost-effective improvement over typical residential doors
- STC 15-20 Typical residential doors

Full test reports available upon request

Construction

Kinetics acoustical wood doors are made with lab-tested noise control core materials and are finished in a variety of high-quality woods.

Kinetics acoustical doors include a standard set of sound-rated gaskets that consist of head/jamb seals (for sides and top) and sweeps (for door bottoms).

Technical Information

Standard Configurations

<u>Wood</u>	Maple
<u>Doors</u>	36" x 80" 36" x 84"
<u>Thickness</u>	1-3/4"
<u>Jamb</u>	Maple, up to 6-3/4" deep, pre-hung
<u>Hinges</u>	Three 4-1/2", fully mortised, heavy-duty ball bearings, brushed stainless steel
<u>Weight</u>	7.8#/sq. ft. (STC 35) 9.2#/sq. ft. (STC 49)

Finishes

Unfinished (stainable)
Smooth-skinned and capable of receiving surface-mounted, raised-panel detail trim

Optional Configurations

<u>Woods</u>	Poplar, Oak, Cherry Many other custom veneers
<u>Dimensions</u>	Single Doors: Up to 42" W, 120" H Double doors and jamb also available

Perimeter Gasketing

Kinetics offers a variety of standard and optional perimeter gasketing products to seal the air gaps between the door, the door jamb, and the floor.

Standard Products

Pre-hung assemblies include all perimeter gasketing and consist of the following:

- Standard jamb seals (for sides & top)
- Automatic sweep (fully mortised)
- Saddle (if necessary)

Slab-only assemblies include sweeps, saddles, and seals for field installation.

Optional Products

- Field adjustable jamb seals (new door)
- Field adjustable jamb seals (retrofit)
- Meeting stiles (double doors)
- Sweep (surface mount/semi-mortised)

Finishes

Standard finishes are anodized aluminum. Optional finishes include Bronze, Gold Anodized, and Dark Anodized Bronze. (Not all finishes are available for each item.)

Consider these and other materials, available for purchase separately, to retrofit existing doors for improved sound control in the field.



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