

# ACOUSTICAL DOOR

## FEATURES AND BENEFITS



The Wenger Corporation Acoustical Door features superior sound isolation through a new innovative design - backed by Wenger Corporation's reputation for quality and service.

### THE WENGER CORPORATION ACOUSTICAL DOOR PROVIDES:

- Faster and easier installation because many sound isolation features are built-in.
- A split-frame design that enables a precise and secure fit for high integrity installation.
- Door frames and leaves that are interchangeable so they always fit.
- Solid sound isolation performance ranging from STC 50 to STC 54 (with a STC 53 rating for 4 foot door with full window).
- Rigid 12-gauge and 14-gauge steel door and isolated crimp construction that significantly improves sound isolation between door panels.
- Door windows constructed of  $\frac{1}{4}$ " and  $\frac{3}{8}$ " (6 and 10 mm) laminated glass.
- Window sizes available in small, 3" x 33" (76 x 838mm), or large, 20" x 64" (508 x 1625 mm).
- Door operation that's safe (cam-lift hinge eliminates pinch points) and smooth (Teflon coated sweep seal is adjustable and a modified profile reduces friction).
- Durable maintenance free performance for an interval of 100,000 cycles.
- The total sound isolation solution for any application whether it's new construction, renovation or replacement.



#### Pre-Engineered Split-Frame Design

Four-sided frame provides a reliable (in plane) installation in many types of wall construction from 4 $\frac{1}{2}$ " to 12 $\frac{1}{2}$ " (114 to 318 mm). Split-frames are manufactured to interlock on site for a precise and secure fit. Installation is faster and easier because most sound isolation features are built-in.



#### STC 50-54 Rating

Gives you superior high performance sound isolation for a variety of door designs. Provides an STC 53 rating for a 4' (1219 mm) door with the visibility of a full view window (see tech sheet for more information).



### Interchangeable Door Frame and Leaf

No need to try and match door frames to door leaves. All frames and leaves are compatible.



### Continuous Cam-Lift Hinge

Safer operation because there are no potential pinch points for hands or fingers. Avoids sound penetration that typically occurs from standard hinges with open gaps.



### 12-Gauge & 14-Gauge Steel Door Component Panels

Different gauge steel construction eliminates frequency resonance that occurs from component panels of the same thickness. Reinforced for long-term durability.



### Isolated Crimp Construction

Greatly minimizes sound transmission between the component panels. Utilizes an innovative approach by crimping component panels together to create a solid structural connection that significantly improves sound isolation.



### Dual Magnetic Seals

Prevents sound from penetrating through the door by surrounding the door frame with two continuous magnetic strips that effectively seal any gaps between the door leaf and frame. No adjustments are required because the seals are pre-aligned.



### Teflon-Coated Sweep Seal

Improves sound isolation by sealing gaps at the door base. Modified profile minimizes friction when opening or closing door. Easily adjusts for smooth door operation.



### Standard Mortise Pocket

Easy to install because you can use any industry standard mortise lever set.



### One-Step Shimming Process

Much easier and less time consuming because it allows you to hang the door and shim for proper door alignment without ever having to remove the door.



### Sound Absorption Strips

Pre-cut to insert easily into door. Provides absorption between the magnetic seals.



### Stainless Steel Sill Plate

Strong and simple to install. Flat surface to insure good acoustic performance with door sweep seal.



### Powder Painted Grey Primer

Provides for better on-site finish painting and requires less touch up.



### Wenger Corporation Quality and Customer Service

Backed by a comprehensive three-year warranty. Confidence in knowing that Wenger Corporation will deliver the right product at the right time.



C O R P O R A T I O N

#### Minnesota Location

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