



A Tip to Avoid Failing Fire Inspections

"When we're inspecting healthcare buildings for fire door issues, any wood pair of double egress doors is almost guaranteed to fail."

- fire inspector



Any guess why wood doors would fail but not hollow metal?

Fire rated applications with wood doors are only allowed 1/8" clearance. Having a pair of wood doors be nice and plumb and square with only a 1/8" gap is pretty tough.

Fire rated hollow metal doors are allowed 1/8" clearance **+/- 1/16"**. That extra 1/16" may not sound like much, but can be the difference between a passed inspection or spending a ton of money on remediation. Many distributors and architects prefer hollow metal for fire rated pairs for that reason.

Trending Product: Sound-Rated Doors

In the age of open floor plans and chiming cell phones, silence is golden. It's no wonder our recent survey of 200 door distributors found that acoustic doors are one of their fastest growing products.

Acoustic doors reduce the transfer of sound through a door. The most common measurement of their capabilities is Sound Transmission Control (STC).



STC	What can be heard
25	Normal speech can be understood easily and distinctly
30	Loud speech can be understood fairly well; normal speech heard but not understood
35	Loud speech audible but not intelligible
40	Onset of "privacy"
45	Loud speech not audible
50	Very loud sounds such as musical instruments or a stereo can be faintly heard

Unless the goal is to muffle band practice or loud machinery, an STC rating of 35-45 makes sense for most applications. Avoiding overspecification will not only reduce the cost, but potentially the weight/thickness of the door.

There are a number of quality manufacturers that produce both standard and acoustic products, allowing you to single-source your door assemblies.

[Here's a list](#) of SDI Certified manufacturers that fit the bill.

More CAD and BIM Drawings

We've recently added 16 more drawings to our public library of details and models. There are now 80+ downloadable drawings of:

- Standard profiles
- Wall conditions
- Anchor details
- Corners
- Hardware locations
- Doors, frames and elevations

The drawings are available in PDF, AutoCAD, Revit, and Sketchup.

[TAKE A LOOK!](#)

Fire Rated Doors & Frames

Check out our new 2-minute video on fire rated doors and frames. See where they are required, how they are tested, and learn about labels.

[VIEW NOW >>](#)



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CONTACT US:

Steel Door Institute

30200 Detroit Road, Westlake, OH 44145

440-899-0010

info@steeldoor.org