

# Steel Frame Installation for Acoustic Doors

## Installation Instruction T-102



Date: December, 2011

Eggers Industries

This instruction is provided as a guide for the installation of steel frames for use with Eggers acoustic doors. These instructions provide important details to insure an opening that will maintain the tested STC rating. They are not intended as a step-by-step instruction, and assume installer qualification and experience.

Most of Eggers acoustic doors have been tested in solid grouted steel frames. Specific applications or ratings may be installed in insulation-filled frames. See Eggers product offering chart for options.

1. Insure the frame is properly dimensioned for the ordered door size. The opening width at the header must be 1/8" wider than the door (+/- 1/16") to insure proper sealing and fit.
2. The spreader bar typically supplied in the frame is primarily for shipping. It should be removed prior to installation.
3. Do not install frames that are damaged, twisted or warped.
4. Frames must be installed plumb, square and without twist to insure proper operation and sealing.
5. The floor, sill or threshold provide the fourth side of the opening and must be level and perpendicular to the frame jambs.
6. The frame must be filled with masonry grout or mineral wool as required by the STC rating (see Eggers product offering chart).
7. The frame must be securely anchored within in the opening to prevent movement or sagging when the door is installed and operated.
8. All joints between the frame and wall and between the sill (or threshold) and floor must include a continuous seal with an acoustic sealant.



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