

EZY Jamb[®]

1. Product Name

EZY-Jamb Trimless Door Frame

2. Manufacturer

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3. Product Description

BASIC USE

The EZY-Jamb[®] trimless door frame system is a split-type door jamb that combines visual appeal with strength and versatility. Manufactured from galvanized steel for its strength and durability, this frame system accommodates doors as wide as 9' (2.7 m) and as high as 12' (3.7 m).

Components of the EZY-Jamb door system are designed to promote the clean lines and inconspicuous detail desired for trimless door frames. Sides are perforated for flush jointing, and top corners connect with an alignment insert preinstalled in the frame. Instead of hinges mortised into the frame, EZY-Jamb offers a high quality ball bearing hinge that can be surface applied. The completed jamb is flush finished and can be painted to fully conceal any fasteners.

EZY-Jamb comes in 2 pieces that fit together cleanly and can be adjusted to match the thickness of the wall. The minimum wall thickness with EZY-Jamb is 3 3/8" (86 mm); the maximum is 8 3/4" (222 mm).

For trimless pocket doors, EZY-Jamb can be combined with EZY Reveal, EZY Cap and aluminum closure sections. EZY Reveal is installed at the side and head of the door frame, and EZY Cap is installed on the door stop side. To conceal the internal hardware, aluminum sections screw into the head of the frame on both sides of the door; optional vertical aluminum side sections are available to provide a clean, modern look.

EZY-Jamb can be punched for both T-strike and ASA types of strike plates. A stainless steel

strike plate is available for standard door frames. Studco Building Systems provides a range of hardware options to suit additional applications.

COMPOSITION & MATERIALS

EZY-Jamb components are manufactured from cold rolled galvanized steel that conforms to ASTM A653.

TYPES

Conventional Frames:

- Single Swing
- Pair Doors
- Cased Openings

Specialty Frames:

- Pocket Doors
- Borrowed Lites
- Side Lites

SIZES

Standard lengths:

- 6'8" (2.05 m)
- 7' (2.1 m)
- 8' (2.4 m)
- 9' (2.7 m)

Thickness:

- 3 3/8" - 8 3/4" (86 - 222 mm)
- Custom sizes can be requested at the time of ordering. Please contact Studco Building Systems for details.

BENEFITS

- Galvanized steel construction provides a strong and secure assembly
- EZY-Jamb promotes clean lines and visual appeal for trimless door frames
- EZY-Jamb can be combined with EZY Reveal, EZY Cap and aluminum closure sections for trimless pocket doors
- The door system is easy to install and requires no special maintenance
- Because EZY-Jamb becomes an integral part of the wall when installed correctly, closing the door will not crack drywall mud
- To fully conceal fasteners, EZY-Jamb can be finished with the same primer and paint used for surrounding walls
- The incorporation of reinforced edges helps overcome continual damage normal daily use causes to door jambs
- All Studco Building Systems products are manufactured to company and/or industry standards as applicable
- Product can be powder coated or preprimed to match a custom color



Condominiums

LIMITATIONS

EZY-Jamb is fire rated to 90 minutes for frames as high as 7' (2.1 m).

OPTIONS, ACCESSORIES

- EZY Reveal
- EZY Cap
- Stainless steel hinges
- Satin chrome hinges
- Satin brass hinges
- Oil-rubbed bronze hinges
- Polished chrome hinges
- Polished brass hinges
- Invisible hinges

4. Technical Data

APPLICABLE STANDARDS

ASTM International - ASTM A653 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvanized) by the Hot-Dip Process

National Fire Protection Association (NFPA)

- NFPA 252 Fire Tests of Door Assemblies
- NFPA 80 Standard for Fire Doors and Other Opening Protectives

Underwriters Laboratories, Inc. (UL) - UL 10C Standard for Safety Positive Pressure Fire Tests of Door Assemblies



High-end residential

Underwriters Laboratories of Canada (ULC) - CAN4 S104 Standard Method for Fire Tests of Door Assemblies

APPROVALS

EZY-Jamb has been tested to Underwriters Laboratories, Inc., (UL) 10C Standard for Safety Positive Pressure Fire Tests of Door Assemblies for doors up to 7' (2.1 m) in height.

FIRE RATINGS

All Warnock Hersey labeled fire door frames are tested in accordance with NFPA 80, NFPA 252, UBC 7-2, CAN 4 S104, and UL 10C to a 90 minute positive pressure fire rating.

PHYSICAL/CHEMICAL PROPERTIES

EZY-Jamb has a G60 galvaneal coating. All steel conforms to ASTM A653 for galvanized steel.

5. Installation

PREPARATORY WORK

Installation of Studco Building Systems should be in accordance with methods described by the manufacturer. The information here is a general overview only. Refer to manufacturer provided specification and instruction sheets for complete procedures.

- It is the responsibility of the installer to confirm that the subframe is firm, square and level

- Hinge side of the door must be square and not beveled in any way
- Studco strongly recommends a wood stud or a minimum 20 gauge metal stud be installed on each side of the door opening
- Once installed, the perforated edges of the door jamb are to be tapered into the wall surface with selected drywall compound
- Prior to painting, confirm that all EZY-Jamb surfaces are clean and free from oil or other surface contamination

METHODS

Ensure that the door opening is square and level. Confirm that the opening meets the accepted specification range:

- Door width + a maximum 5/8" (15.88 mm)
- Door height + 1 1/4" (31.8 mm), depending on floor clearance

For SOSS Hinges, Studco strongly recommends using only wood studs around the door opening. The wood studs must be notched to allow the hinge to be installed, and the notch should be 4 7/8" long x 1 5/8" wide x 1 5/8" deep (123.8 x 41.3 x 41.3 mm). It is very important that the SOSS hinge be installed into the door frame before the frame is installed into the opening.

Fasten the hinge stile, making sure that the stile is level and that it is as tight against the stud opening as possible. Then drive screws at 8" (203 mm) centers up the stile, going through the drywall into the studwork. Use double screws at each end and beside each hinge position; if using SOSS hinges, use double screws both above and below the SOSS hinges. The notched end goes to the top to allow for the head. Using a plastic insert to line up the head piece and side stile, place the head flush.

Fasten the final vertical sections (lock stile) below the head section and confirm that spacing is even between the 2 vertical sections, as indicated.

Spacing Recommendations:

- 36" Door spacing = 36 1/4"
- 32" Door spacing = 32 1/4"
- 30" Door spacing = 30 1/4"
- 28" Door spacing = 28 1/4"
- 24" Door spacing = 24 1/4"

To allow jamb sections to be easily set into the wall surface, ensure that the perforated side strips sit flat against the drywall. All corners must be paper taped and set at an angle. Set the jamb with an approved drywall compound. Using the EZY-Jamb standard hinges, hang the door in position and leave approximately 1/8" (3.18 mm) clearance from the top. Surface

mount the strike plate to align with the latch plate punching.

The hinges are designed to be surface mounted with all 4 screws penetrating through the face of the door frame and into the structure behind the frame.

Hinge requirements for doors under 4' wide are as follows:

- Up to 88" - 3 hinges
- 89" to 108" - 4 hinges
- 109" to 120" - 5 hinges
- 121" to 144" - 6 hinges

BUILDING CODES

Current data on building code requirements and product compliance can be obtained from Studco Building Systems technical support department. Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

6. Availability & Cost

AVAILABILITY

Studco Building Systems products are available throughout the United States.

COST

Cost information may be obtained from the manufacturer or any distributor of EZY-Jamb metal door frames.

7. Warranty

Studco Building Systems warrants to the original consumer that its trimless steel door frame will be free from defects in material for a period of 1 year from the purchase date. Products must be installed in accordance with the manufacturer's installation instructions. See actual product warranties for details.

8. Maintenance

No specific care or maintenance is required for properly installed products.

9. Technical Services

Detailed information, product literature, test results, project lists, assistance in preparing project specifications and arrangements for application supervision are available through Studco Building Systems.

10. Filing Systems

- MANU-SPEC®
- Additional product information is available from the manufacturer upon request.