

Fiberglass Entry Door with Sidelites
Installation Instructions

Thank you for selecting our products. Attached are recommended installation instructions for all types of fiberglass entry door with sidelites. Read these instructions thoroughly before beginning. They are designed to work in most existing applications however; existing conditions may require changes to these instructions. If changes are needed, they are made at the installer's risk. For installations other than indicated in these instructions, contact a building professional.

NEEDED MATERIALS AND TOOLS

NEEDED MATERIALS

NOTE! Follow all material manufacturers' instructions for proper use and compatibility.

- 4 ft level, tape measure, framing square, and pencil or marker
- Cordless drill/driver, drill bits, driver bits, screwdrivers, rubber mallet, utility knife, caulking gun, and clean cloths
- Safety glasses, cut-resistant gloves, and all personal protective equipment required for the jobsite
- Exterior-grade door-frame installation screws, corrosion-resistant shims, exterior caulk,

PRODUCT COMPONENTS

- Door Slab ×1
- Sidelite Door Slab ×2
- Side Jambs ×2
- Head Jamb ×1
- Threshold ×1
- Mull Post ×2
- Weatherstrips ×7
- Bottom Door Sweeps ×1
- Hinges ×3
- Ø5×60 mm Screws ×15
- Ø4×50 mm Screws ×40
- Ø5×19 mm and Ø5×25 mm Hinge Screws

SAFETY AND HANDLING

SAFETY

- Read and fully understand ALL manufacturers' instructions before beginning.
- Do not work alone. Two or more people are recommended. Use safe lifting techniques.
- Use caution when handling glass. Broken or cracked glass can cause serious injury.
- Wear protective gear (e.g. safety glasses, gloves, ear protection, etc.).
- Operate hand/power tools safely and follow manufacturer's operating instructions.

IF INJURY OCCURS, IMMEDIATELY SEEK MEDICAL ATTENTION!

MATERIALS AND SLAB HANDLING

- Allow doors to acclimate for at least 24 hours to local conditions before installation or finishing.
- Store slabs in a dry, well-ventilated protected area off of the floor. Buildings where humidity and temperature are controlled provide the best storage facilities (recommended conditions 30%-50% Relative Humidity and 50°F to 90°F)
- Protect from exposure to direct sunlight during storage.
- Handle doors with clean hands or while wearing clean gloves.
- Lift and carry doors to move, do not drag across one another.
- Heed material manufacturers' handling and application instructions.
- Install only into vertical walls and when conditions are dry.

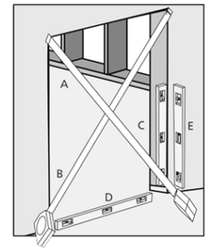
1 INSPECT FINISHED OPENING

INSPECT PRODUCT

- Carefully remove all packaging to avoid scratching the door slabs, glass, or weatherstrip.
- Verify the model, frame size, door style, finish, glass, handing.
- Inspect the door slabs, jambs, threshold, mull posts, and glass for damage, bowing, or other visible defects.
- Inventory the components and fasteners listed in Section PRODUCT COMPONENTS.

STOP INSTALLATION: If the product does not match the order, the glass is broken, any component is damaged, or any hardware operates abnormally, contact the dealer or supplier.

INSPECT ROUGH OPENING

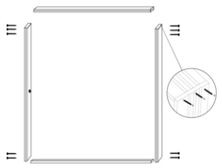


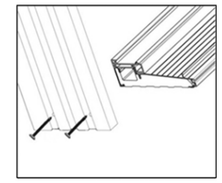
- Measure the outside frame width and height and the rough opening at the top, center, and bottom. The rough opening width and height should each be approximately 3/4 in larger than the outside frame dimensions. When the frame is centered, allow approximately 3/8 in at each side and leave the height allowance above the head jamb.
- The difference between the two diagonal (A&B) measurements must not exceed 1/4 in. Deviation from plumb at the sides (C&E), level at the head and sill support surface (D), or a single plane from corner to corner must not exceed 1/8 in.
- The sill support surface must be flat and continuous. All fastening areas must be solid and dry, with old sealant, old fasteners, and debris removed.
- Confirm that the sill area has reliable water management and drainage. Install a sill pan flashing system or other flashing before the door unit when required.

DO NOT INSTALL: Correct the rough opening before installation if its dimensions, structure, flatness, or water-management conditions do not meet these requirements.

2 ASSEMBLE AND INSTALL DOOR FRAME

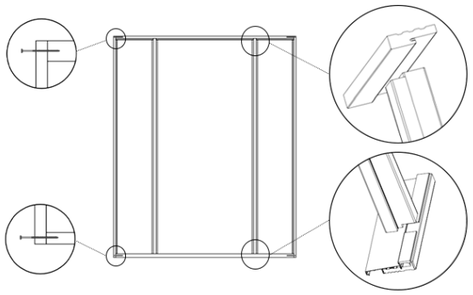
FOR FACTORY-PRIMED DOORS: Review Section 6 before beginning installation. Complete field finishing before permanently installing the mull posts, bottom door sweeps, hinges, lockset, or other hardware. Factory-painted doors do not require field finishing.





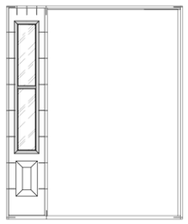
- Lay the side jambs, head jamb, threshold, and two sidelite mull posts on a clean, level surface in final orientation. Verify interior/exterior sides, hinge side, door swing, and threshold slope.
- Dry-fit the mull posts. Align all joints with surfaces flush and free of steps, twist, or bow.
- Fasten the side jambs to the head jamb and threshold using the supplied Ø5 × 50 mm wood screws. Tighten evenly with heads flush.
- Check frame width, height, and both diagonals against required dimensions; adjust until square.
- Install weatherstrips straight and unstretched in their grooves; seat both ends fully.
- After alignment, remove the mull posts or leave them loose; do not fasten permanently.

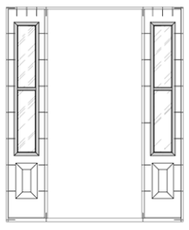
SEQUENCE: Install and align the sidelite panels before tightening the upper and lower mull-post screws.



3 INSTALL SIDELITE PANELS & MULL POSTS

- Lay each sidelite panel on a clean, padded work surface. Identify the top, bottom, interior, and exterior faces before installing the bottom retainer.
- Position the first sidelite panel between the side jamb and sidelite mull post. Check that the panel is plumb, fully seated, and correctly oriented before fastening.
- Fasten the side-jamb edge with Ø5 × 50 mm wood screws. Fasten the mull-post edge with Ø5 × 60 mm wood screws at the prepared mull-post locations. Tighten gradually from alternating locations so the panel remains straight.
- Repeat the same procedure for the second sidelite panel.
- Align both mull posts plumb and parallel. Measure the main-door opening at the top, center, and bottom, then secure the upper and lower ends of each mull post to the head jamb and threshold.
- Verify that both sidelite panels are firmly retained, the joints are flush, and the weatherstrips are continuous and not pinched by any fastener.

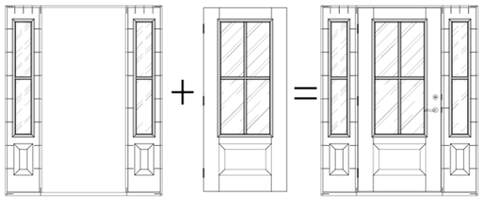




4 INSTALL DOOR SLABS

- Install the three hinges at the factory-prepared locations using the supplied hinge screws. Fill all prepared hinge holes and keep the hinge leaves flush with the prepared surfaces.
- Make sure the assembled frame is square, securely supported, and ready to receive the door slab. With two people, position the main door slab and connect the hinges to the frame.
- Open and close the door several times. Confirm that the slab moves freely and that the reveal gaps at the head, both mull posts, and threshold are even.
- Install the lockset in the factory-prepared locations. Adjust the strike as required so the latch and deadbolt engage smoothly without forcing the door or moving the frame.

ADJUSTMENT: If the reveal gaps are uneven or the door rubs, recheck frame square, mull-post alignment, screw tension, and hinge seating before altering any finished component.



5 ADJUST AND COMPLETE FINAL INSPECTION

- Confirm that the frame joints are flush, the frame is square, and both sidelite mull posts are plumb and securely fastened.
- Verify that both sidelite panels and bottom retainers are secure and that all visible fasteners are properly seated.
- Confirm even reveal gaps, smooth door operation, continuous weatherstrip contact, and proper contact between the bottom door sweep and threshold.
- Operate the lockset several times and confirm smooth latch and deadbolt engagement.
- Remove excess adhesive and installation debris. Clean the glass and finished surfaces with a soft cloth and a compatible, non-abrasive cleaner.
- When the assembled unit is installed into a building opening, complete the required flashing, shimming, anchoring, insulation, exterior perimeter sealing, and drainage details in accordance with the approved project drawings and local codes.

6 FIELD FINISHING REQUIREMENTS

FACTORY-PRIMED DOORS ONLY — COMPLETE BEFORE STEP 2

MATERIALS NEEDED

- Lint-free Cloth
- Mineral Spirits
- Rubber Gloves
- Masking Tape
- 4" Bristle Brush
- For water-based application: acrylic-based primer* / acrylic latex-based exterior grade paint
- 320-400 grit sandpape (For Smooth Doors ONLY)

PAINTING INSTRUCTIONS

SURFACE PREPARATION

- Lay door horizontally on saw horses or a table.
- Remove all the hardware and mask off anything you don't want painted, such as the glass insert.
- Smooth Doors ONLY: Lightly scuff/sand the surface with a fine sand paper.

DO NOT SAND TEXTURED FIBERGLASS.

- Wipe the surface clean and allow it to dry completely before applying the finish.
- Do not use hydro-carbon based solvents to clean the surface as such products may leave a residue.

PAINTING INSTRUCTIONS - CONTINUED

PAINTING

- Apply exterior grade paint with a 4" brush beginning with the panels.
- It is a common practice to paint both door stiles the same color as the exterior side of the door. If applying a second coat, follow the manufacturer's instructions for drying time between coats.
- Continue to apply the top coat to all 6 sides of the door which have been bored and mortised for hardware- should be finished inside of the lock bore as well.

IMPORTANT TO NOTE: It is considered normal maintenance to re-apply the topcoat approximately every two years. Even a well-finished fiberglass door will be affected by exposure and weathering from sun, moisture, and air pollutants.

CAUTION: Read and follow all the manufacturer's safe use instructions before using any chemical product.