

The Sentry® 700.80 is an outward opening, pre-hung door and jamb set.

The metal-clad door leaf is dual-skin on faces and capped on sides and top with 0.5mm Colorbond steel sheets, fixed with a spray adhesive.

The door jamb has a three-sided profile made of multi-folded, pressed and welded 1.5mm steel. It can be Zinccanaleal (raw) or powder coated to match the Colorbond of the door leaf, or to another colour of your choice.

The door and jamb are fastened together with heavy-duty metal screws into 4 (four) 100×100×2.5mm stainless steel butt hinges, strategically spaced to optimise support for the door leaf.

The door is supplied with standard lock preparation of 54mm and 70mm back set.

AVAILABLE SIZES:

- » 2040mm (h) x 920mm (w)

APPLICATIONS:

Steel, timber, brickwork and pre-cast concrete structures – industrial and commercial buildings.

AVAILABLE COLOURS:

Available in the complete classic & contemporary ranges of COLORBOND® steel colours.

ADDITIONAL FINISHES:

- » Colorbond® Matt
- » Colorbond® Ultra
- » Galvanised Steel
- » Zinccanaleal® Steel
- » Sentry Protect™

SUPPLIED IN SET

- » Pre-Hung Door and Jamb
- » Lockset
- » Cardboard packers between door and jamb

INSTALLATION OPTIONS

The Sentry® 700.80 can be installed in six (check what fixings can be offered) different ways. Tell us your wall application and preferred installation method when you order. Larnec can customise the set to serve your preference.

To install into a stud frame prior to plastering or wall lining, use the Fast Fix Brackets (see B1), Stud Clips (see B2).

To install the set into steel studs, brickwork or concrete panels, where the wall thickness is equal to or greater than the depth of the door jamb, you can use Tube Fix installation (see B3 and B4).

Alternatively, the 700.80 can be precast into concrete wall panels, requiring no extra fixings.

A. PRODUCT CHECK AND SITE

Note: Keep the door packers in place until the door and jamb set is fully fitted.

Required: Cutting tool and framing materials for structure cladding.

1. Check your door and jamb set for quality and craftsmanship.
 - ▶ If there is damage or fault, contact your supplier immediately.
 - ▶ **Note:** if you proceed to install a door, the opportunity to claim a replacement on the basis of damage or fault will be limited.
2. Decide where your door goes.
 - ▶ All corners of the cut must be safely in the valley of the cladding profile.
 - ▶ Ensure there is no structural steel or timber behind the planned cut area.
3. Cut the required opening out of the cladding.
 - ▶ The required size depends on the size of the door to be installed.

| 700.80.920 | |
|---------------------|-------------------------|
| DOOR SIZE | 2040mm (h) x 920mm (w) |
| REQ. OPENING | 2108mm (h) x 1008mm (w) |

4. Frame out your door opening with the materials recommended for your shed/garage.

B1. FAST FIX BRACKET INSTALLATION

Fast Fix bracket installation is only appropriate if installing into wall studs prior to plastering or wall lining.

Required: Spirit level, impact driver, eight (8) or sixteen (16) screws of 10 gauge or larger. Screws must be long enough to fix through the stud into the fast fix brackets.

Note: Keep the door packers in place until the door and jamb set is fully fitted.

1. Construct the stud frame to accommodate your door and jamb set. (See Section A.)
2. Lift the door into place:
 - ▶ Use two (2) people to lift.
 - ▶ Check that hinges are set to swing outwards.
 - ▶ Ensure suitable gap around perimeter of the door set, to allow plaster or wall lining to slide behind.
3. Mark screw positions on the stud frame, in line with the Fast Fix brackets welded to the edges of the door jamb.
4. Fix the hinge-side of the jamb to the stud:
 - ▶ Standing in the unlined wall, screw through the stud frame, and into the Fast Fix brackets.
 - ▶ Put one or two screws into each of the four (4) fast fix brackets on the hinge side of the jamb.
5. Fix the latch-side of the jamb to the frame:
 - ▶ Follow the same process for the hinge-side screws.
 - ▶ As the latch side is tightened, a gap between door and jamb will gradually increase.
 - ▶ Take it easy and check the gap regularly. Stop tightening when the gap reaches 3mm max.

B2. TUBE FIX INTO STEEL STUDS

Tube fix installation can be used to install the Sentry 700.80 into steel studs. Larnec builds each set to spec, so that the throat of the door frame matches the thickness of the wall, as must be noted on the profile order sheet.

Required: Spirit level, impact driver, eight (8) or more 10mm masonry fixings at maximum 450mm centres around head and stiles.

(Note: long-threaded screws are very important. Threaded up to the base of the countersunk screw head, they can properly hold into studs.)

Note: Keep the door packers in place until the door and jamb set is fully fitted.

1. Check the aperture in the wall is the correct size to accommodate your door and jamb set (See Section A, page 2).
2. Lift the door into place:
 - ▶ Use two (2) people to lift.
 - ▶ Check that hinges are set to swing outwards.
 - ▶ Hold so the jamb sits flush with both sides of the wall.
3. If using self-drilling screws, go to step 5.
4. If using screws that are not self-drilling:
 - ▶ Mark tube positions on the wall:
 - ▶ There are four tubes welded to each side of the jamb. They will guide the long-threaded screws straight into place. Mark the wall where each one is set against it.
 - ▶ Return the door set to a resting position.
 - ▶ Using a metal drill bit, drill into the steel stud at the marked tube positions, so that the long-threaded screws can fully fasten.
 - ▶ Lift the door into place, again (two people to lift, hinges set to swing outwards, tubes aligned with the pre-drilled holes).

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- 5.** Fully fix the hinge-side of the jamb to the stud:
- ▶ Five (5) or more countersunk holes (10mm) are pre-drilled through the doorstop of the inner jamb.
 - ▶ Standing inside the door opening, insert a 10mm masonry fixing into the uppermost hole, 150mm from the top of the hinge-side. Screw it tight into the wall.
 - ▶ Insert and tighten a screw into the lowermost hole, 150mm from the bottom of the hinge-side.
 - ▶ Insert and tighten screws in both middle holes on the hinge-side.

- 6.** Fix the latch-side of the jamb to the wall:
- ▶ Follow the same process as for the hinge-side screws.
 - ▶ As the latch-side is tightened, a gap between door and jamb will gradually increase.
 - ▶ Take it easy and check the gap regularly.
 - ▶ Stop tightening as when the gap reaches 3mm max.

B3. TUBE FIX INTO CONCRETE

Tube fix installation can be used to install the Sentry 700.80 into brickwork or concrete panels. Larnec builds each set to spec, so that the throat of the door frame matches the thickness of the wall, as must be noted on the profile order sheet.

Required: Spirit level, impact driver, eight (8) 10mm masonry fixings of at least 100mm length.

Note: Keep the door packers in place until the door and jamb set is fully fitted.

- 1.** Check the aperture in the wall is the correct size to accommodate your door and jamb set (See Section A, page 2).

- 2.** Lift the door into place:
 - ▶ Use two (2) people to lift.
 - ▶ Check that hinges are set to swing outwards.
 - ▶ Hold so the jamb sits flush with both sides of the wall.
- 3.** Mark tube positions on the wall:
 - ▶ There are five or more tubes welded to each side of the jamb. They will guide the bolts straight. Mark the wall where each one is set against it.
 - ▶ Return the door set to a resting position.
- 4.** Using a concrete bit, drill into the wall at the marked tube positions to a depth of at least 100mm, so that the bolts can fully fasten.
- 5.** Lift the door into place, again:
 - ▶ Use two (2) people to lift.
 - ▶ Check that hinges are set to swing outwards.
 - ▶ Align the tubes with the holes you've pre-drilled into the wall.
- 6.** Fully fix the hinge-side of the jamb to the wall:
 - ▶ Five (5) or more countersunk holes (10mm) are predrilled through the doorstop of the inner jamb.
 - ▶ Standing inside the door opening, insert a 10mm masonry fixing at maximum 450mm centres around head and stiles into the uppermost hole, 150mm from the top of the hinge-side. Screw it tight into the wall.
 - ▶ Insert and tighten a bolt into the lowermost hole, 150mm from the bottom of the hinge-side.
 - ▶ Insert and tighten bolts in both middle holes on the hinge-side.
- 7.** Fix the latch-side of the jamb to the wall:
 - ▶ Follow the same process as for the hinge-side bolts.
 - ▶ As the latch-side is tightened, a gap between door and jamb will gradually increase.

- ▶ Take it easy and check the gap regularly.
- ▶ Stop tightening when the gap reaches 3mm max.

C. AFTER DOOR INSTALLATION

Required: Impact driver.

After the door is installed:

- 1.** Remove packers and bottom spreader-bar.
- 2.** Peel back protective covering surrounding lock prep.
- 3.** Fit the supplied lockset.
- 4.** Remove the protective covering from surfaces. (The longer it remains on, the harder it may be to remove cleanly.)

D. AFTER CARE

To get the most out of your investment, cleaning should occur:

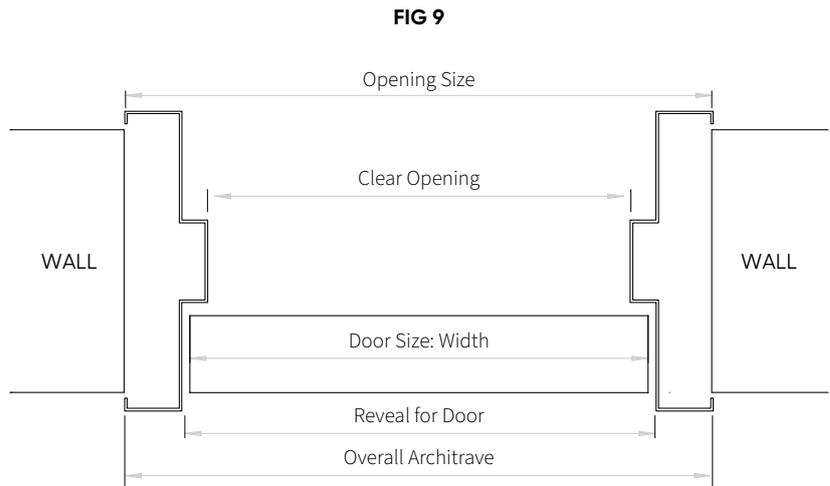
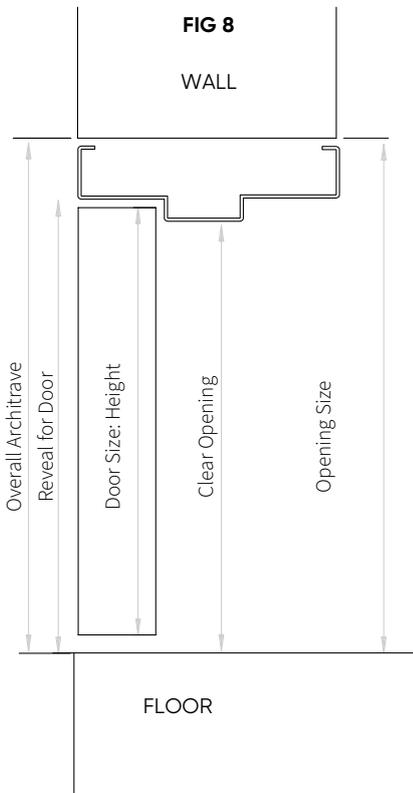
- ▶ In rural or normal urban environments, every six (6) months.
- ▶ In areas of high pollution, such as industrial areas or coastal environments, every three (3) months.
- ▶ In particularly hazardous or corrosive environments such as beachfronts, severe marine environments, areas of high industrial pollution, monthly.

Hinges, Locks, and furniture should also be regularly inspected and cleaned in accordance with the above schedule.

DO NOT use harsh solvents, abrasive cleaners (turps, petrol, kerosene, paint thinners) or scourers on any products. Carry out cleaning in shade and during cooler temperatures using a soft cloth and gentle wiping only.

We recommend that your locks only be serviced by a qualified locksmith.

| PRODUCT FILE CODE | DOOR SIZE HxW | DOOR THICKNESS (MM) | OVERALL PRODUCT INSERT HxW | OVERALL EXT. ARCHITRAVE HxW | OVERALL INT. ARCHITRAVE HxW | REVEAL FOR DOOR HxW | CLEAR OPENING REQUIRED HxW | OPENING SIZE HxW | DOOR OPENING ANGLE | WIND RATED TO REGION |
|-------------------|---------------|---------------------|----------------------------|-----------------------------|-----------------------------|---------------------|----------------------------|------------------|--------------------|----------------------|
| 700.80.920 | 2040 x 920 | 37 | 2103 x 1004 | 2103 x 1004 | 2103 x 1004 | 2065 x 928 | 2050 x 898 | 2108 x 1008 | 180° | - |



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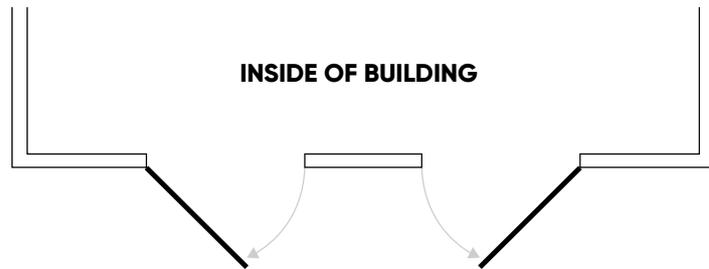
KNOW YOUR HANDING

'Handing' describes where the hinges are on a door that is opening towards you. When you order a new door, it is important to know its handing so that it suits your installation.

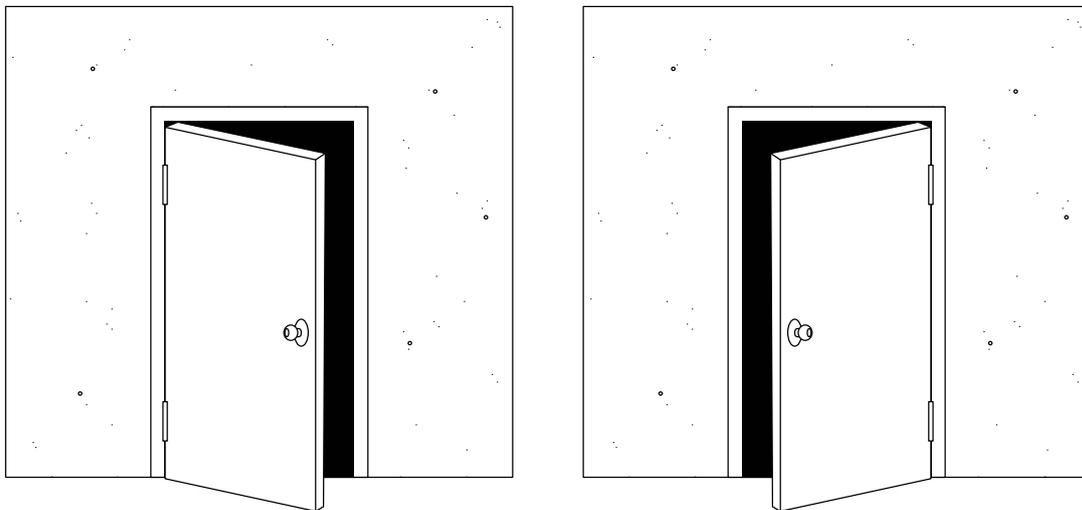
HOW DO YOU TELL?

If you open a door towards you and the hinges are on your left, the door is **left-hand hinged**.

If you open a door towards you and the hinges are on your right, the door is **right-hand hinged**.



OUTSIDE OF BUILDING



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Larnec Doors provide a 24 month warranty on all products. The warranty does not cover the product if incorrectly installed, used or maintained, damage from environmental conditions, fair wear and tear, accidents or salt corrosion.