

The VWH.820 Wall Hatch is a single skin metal-clad pre-hung horizontal hatch.

The door leaf consists of a welded and powder coated 35x35x1.6mm SHS tube frame which is clad (the external face & top and bottom) using one 0.5mm Colorbond steel sheet which is then fastened on by matching coloured steel rivets with silicone for noise reduction. The door jamb consists of a 1.5mm multi-folded, pressed & welded four sided steel profile, powder coated to match the Colorbond steel sheet (or your colour of choice) and fitted with three 100x70x2.5mm 304 grade stainless steel hirline hinges which fasten the door and the jamb together using heavy duty countersunk steel rivets.

AVAILABLE SIZES:

- » 820mm (h) x 2040mm (w)

APPLICATIONS:

Steel structures – farm and shearing sheds, containers.

SUPPLIED IN SET

- » Pre-assembled Wall Hatch
- » Cardboard packers between hatch and jamb

Note: Handle and Gas Struts come pre-installed on hatch for your convenience.

A. PRODUCT CHECK AND SITE

Note: Hatch packers must not be removed until the jamb is fully fastened off.

1. Check your hatch 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 hatch goes.

B1. CONTAINER INSTALLATION

1. When cutting the opening, you must allow for a RHS frame to create a flat surface to attach the door jamb.

- ▶ We suggest using 100x50mm leaving an internal opening size to match the opening required for the jamb.
- ▶ When cutting the opening, ensure the cut area has no structural steel behind it.

VWH.820	
HATCH SIZE	820mm (h) x 2040mm (w)
REQ. OPENING	845+50mm (h) x 2055+100mm (w)

2. The RHS must be welded and sealed into the container.

- ▶ We recommend painting the RHS at this point, if required.

3. Put the door in place, lift the hatch to the top of the opening to close gap at the top for water proofing (using large rivets or a minimum of 10 gauge screws) put 1 screw in at each of the hinges.

4. At this point get the hinge side of the hatch square/plumb, then screw the bottom to match.

- ▶ When screwing off the bottom, again check to make sure the jamb is still square/plumb.
- ▶ The hatch can drop under its own weight at this point, so if its not square/plumb it can result in the door not shutting properly and catching.

5. Continue to screw off the hatch until complete (see Fig. 6).

6. Once the hatch is installed, remove packers and protective covering from the hatch.

B2. RETROFIT FACE FIX INSTALLATION INTO CONTAINER

1. Ensure the cut is in an area that has no structural steel behind it, safely cut container to recommended opening size.

VWH.820	
HATCH SIZE	820mm (h) x 2040mm (w)
REQ. OPENING	845mm (h) x 2055mm (w)

3. Insert the hatch with the architrave over the cladding the arch will sit against the highest point of the cladding.

4. Lift the hatch to the top of the opening to close gap at the top for water proofing.

5. Using large rivets or a minimum of 10 gauge screws, put 1 screw or rivet in at each of the hinges.

6. At this point get the hinge side of the hatch square/plumb, then screw the bottom to match.

- ▶ When screwing off the bottom, again check to make sure the jamb is still square/plumb.
- ▶ The hatch can drop under its own weight at this point, so if its not square/plumb it can result in the door not shutting properly and catching.

7. Continue to screw off the hatch until complete (see Fig. 7).

8. Once the door is installed, remove packers and protective covering from the hatch.

B3. RETROFIT FACE FIX INSTALLATION INTO CORRUGATED, TRIMDEK OR MONOCLAD PROFILE

1. Ensure the cut is in an area that has no structural steel behind it, safely cut cladding to recommended opening size and install door jamb mullions.

VWH.820	
HATCH SIZE	820mm (h) x 2040mm (w)
REQ. OPENING	845mm (h) x 2055mm (w)

2. Insert the hatch with the architrave over the cladding.

- ▶ The arch will sit against the highest point of the cladding,

3. Lift the hatch to the top of the opening to close gap at the top for water proofing.

4. Using large rivets or a minimum of 10 gauge screws, put 1 screw or rivet in at each of the hinges.

5. At this point get the hinge side of the hatch square/plumb, then screw the bottom to match.

- ▶ When screwing off the bottom, again check to make sure the jamb is still square/plumb.

- ▶ The hatch can drop under its own weight at this point, so if its not square/plumb it can result in the door not shutting properly and catching.

6. Continue to screw off the hatch until complete (see Fig. 7).

7. Once the hatch is installed, remove packers and protective covering from the hatch.

- ▶ **Note:** 6 screws are the minimum required, however we recommend fixing front and back. If more screws are used, these 6 are still required at these points level with hinges and lock (see Fig.1 and 2).

- ▶ (Optional) Cut the j-mould weather strip (sold separately) to the desired length and slide in between the jamb architrave and the structure cladding. The recommended minimum length for the j-mould weather strip should be the width of the jamb from outside to outside.

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.

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.

PRODUCT FILE CODE	DOOR SIZE HxW	DOOR THICKNESS (MM)	OVERALL PRODUCT INSERT H xW	OVERALL EXT. ARCHITRAVE HxW	OVERALL INT. ARCHITRAVE HxW	REVEAL FOR DOOR HxW	CLEAR OPENING REQUIRED HxW	OPENING SIZE HxW	DOOR OPENING ANGLE
VWH.820	820 x 2040	35	832 x 2057	924 x 2146	-	830 x 2048	800 x 2016	835 x 2060	87°

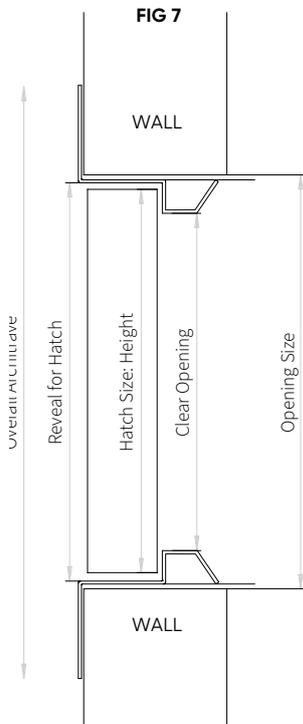
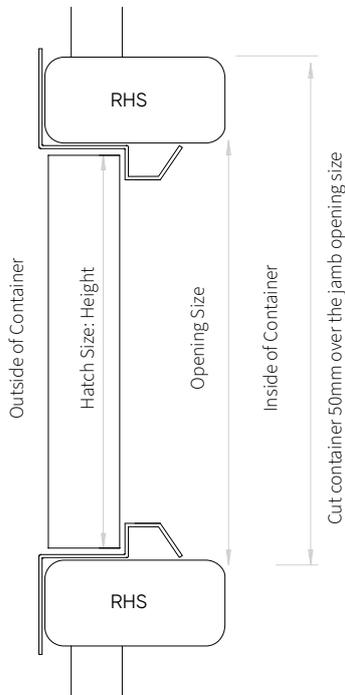


FIG 9



RETROFIT FACE FIXING OPTION



FIG 8

CONTAINER INSTALLATION WITH RHS

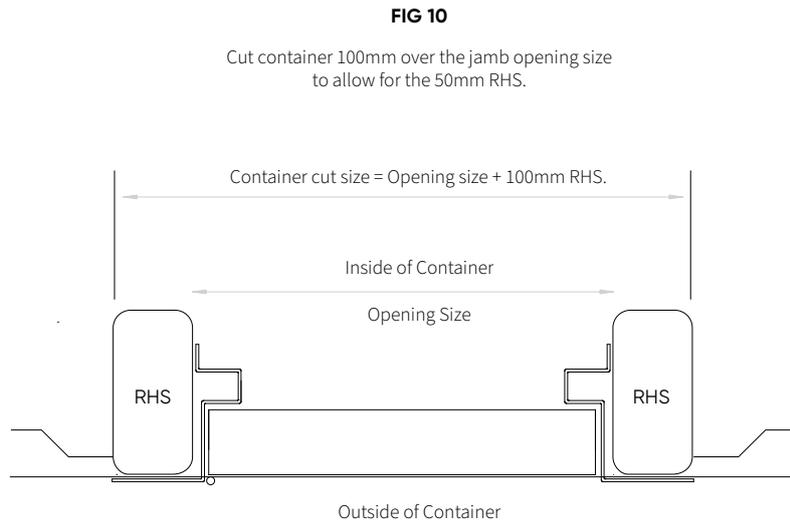


FIG 10

Correct as of 11/08/23

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.