

GENERAL:

Floor doors are designed for safe and easy access using ladders and stairways. The following instructions are general guideline recommendations. Prior to installing, floor doors should be stored in a dry area, free from dirt and debris.

Caution: The floor door cover is spring loaded, so standard practice precautions should be taken when handling. Be sure the floor door is in a horizontal, upright position prior to opening cover.

INSTALLATION:



1. The Drainable Floor Door is designed to be cast in concrete, typical for new construction. Verify that the outside floor door frame has a coating (bituminous) to protect the aluminum from reacting with wet concrete.
2. The concrete opening size is the same as the inside frame dimensions, so formwork must be flush to the inside frame and secured using standard construction practices.
3. Attach drain pipe (by others) to the 1-1/2" NPT female pipe fitting, and position floor door with sufficient slope for liquids to drain. Also make sure cover is in closed position, prior to pouring concrete.
4. Pour concrete to finish flush with the top edge of the unit, making sure to clean any excess concrete to prevent staining on aluminum surfaces. Allow the concrete to fully cure (up to 7 days) before operating the floor door.

OPERATION:

The basic components for floor door operation include slam latch with plug (FLD-KIT-PLUG), L handle external key, gas spring for lift assistance, hinges, and locking hold open arm to automatically hold the door in the open position.

- **Opening:** To open the floor door cover; use the slam latch lever handle from the interior or the L handle key (FLD-KIT-LKEY) from the exterior. Open the door fully, until the locking hold open arm engages.
- **Closing:** To close the floor door cover; disengage the locking hold open arm, then slowly close the cover making sure the slam latch engages the catch.

MAINTENANCE:

- Manually operate at least once a year to check functionality of moving parts such as latches, hinges & handles.
- Test outside and inside manual operation of latches.
- Lubricate moving parts such as hinges and latches with a silicone spray as required to maintain a smooth opening/closing of door.
- Mill finish aluminum can be washed periodically if needed or desired to maintain a clean appearance.
- Channel frames should be cleaned periodically to assure unobstructed flow of water to the drain outlet.

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Installation & Maintenance Guide