



A **valmont**  COMPANY

INSTALLATION OF WEBFORGE CAST IRON COVERS & FRAMES

GENERAL REQUIREMENTS

- Correct installation of Webforge Covers and Frames is essential for the installed cover to operate adequately and give the long service life that it has been designed for.
- **Failure to install the frame correctly may result in movement or rocking under load, excessive wear and therefore reduced life, damage or failure under load. It will also affect the seating between cover and frame.**
- Generally the side that has two keyholes indicates the side that the cover should be removed from the frame.
- An approved sealing compound is recommended for all cover and frame seatings.

INSTALLATION PROCEDURE

- 1. Form a rebate in the pit opening**
 - Recommended rebate sizes are shown in the Webforge Catalogue.
- 2. Remove the cover from the frame**
 - Mark or tag the frame to ensure the cover can be fitted in the same orientation as it was received, after the frame has been concreted in place.
 - Locate and level the frame in the rebate. Ensure that the frame is correctly oriented for the required direction of cover removal. Pack under each corner joint of the frame to raise and level the frame top with the rebate top. Ensure that the packing and frame do not protrude into the pit opening.
 - Check for any rocking motion between diagonally opposite frame corners. Adjust packing to eliminate rocking of frame.
- 3. Set up the Internal Formwork**
 - Ensure that the formwork does not project above the horizontal-seating surface of the frame. (Otherwise the cover cannot be seated.)
- 4. Clean the cover and frame seatings**
 - All cover and frame seating surfaces must be free of dirt or dust to ensure the correct seating of the cover in the frame.
- 5. Place the cover in the frame**
 - Ensure that the cover is correctly oriented in the frame, according to the mark or tag.
 - Ensure that the keyhole plugs are fitted.
 - Check for any diagonal rocking movement between the cover and the frame and adjust the frame packing if necessary.
 - Run a finger along the top edges of the cover and the frame and check that the edges are level over the whole perimeter of the unit. (If not level, dirt may be present in the seating surfaces or the frame may be distorted due to rough handling).
- 6. Pour the cement/concrete**
 - Pour cement/concrete to fill the void between the frame and the rebate.
 - Ensure cement/concrete is worked under the frame seating and is flush with the top of the frame and the rebate edge.
- 7. Seal the unit for operation**
 - Remove the cover and internal formwork.
 - Clean all cover and frame seating surfaces.
 - Apply sealing compound liberally to all vertical and horizontal seating surfaces of frame.
 - Install the cover in the frame, ensuring the cover is level with the top edge of the frame.