



Aluminum Roll-up Mats Grate Mat

Installation Instructions

Guidelines

Before any installation is started be sure to:

- Verify foot grille and frame type
- Verify the foot grille and frame size
- Verify the product thickness
- Verify the product color
- Check for any visual defects or damage in shipment

Important: No returns will be accepted after the material has been installed. Failure to follow these installation instructions may void your warranty.

I. Shallow Recessed Installation Instructions

1. Prepare a recess in the concrete flooring (block out) where the foot grille will be located. The recess should be deeper than the total height of your foot grille and frame; consult your shop drawing for proper depth. Block out an area 6" wider than the outside dimensions of the frame in both directions. This will allow 3" on all sides to maneuver the frames into place.
2. Secure the mat frame to the concrete using anchor bolts into lead anchors that are set into the floor. Stainless steel screws and plastic anchors may also be used.
3. Drill holes in the frame at 18 to 24 inch intervals for the bolts/screws. Countersink the holes.
4. Set the frames into position within the recess. Mark the hole locations on the concrete. Remove the frames and drill holes in the floor for the anchors. Clean the concrete dust away and install the anchors.
5. Reinstall the frames using the appropriate anchor bolts. If needed, shim under the frame sections so the top edge of the frame is flush with the finished floor and level.

6. Pour concrete (using non-shrinking grout) around the edges of the frame and in the center of the frame, level with the inside lip of the frame.
7. Level the concrete. Use a board slightly smaller than the frame opening and level the concrete in each section to be flush with the top of the grille support. Make sure the concrete (using non-shrinking grout) is smooth and level with the lip of the frame so the grille lies perfectly flat and will not rock.
8. Before the concrete hardens, recheck that the dimensions are correct, frame is square and level, and the frame corners are at correct angles so the mat will fit properly. Verify the inside frame dimensions are identical to your shop drawing.
9. After concrete has hardened, install plywood into the recess to fully protect the frame edges until just before the entrance is opened and the foot grilles are installed.
10. Clean all frames and intermediary supports before installing grilles; debris cannot be tolerated between the frame and grille.

II. Surface Installation Instructions

1. Mark the layout on the floor where ramp frame needs to go for a smooth transition.
2. If holes not present, drill holes in the frame at 16 inch intervals for the bolts/screws. Countersink the holes.
3. Set the frames into position. Keeping the frames in position, drill holes in the floor for the anchors. Clean concrete dust away and install the anchors.
4. Secure the frame to the concrete inserting anchor bolts into lead anchors that are set into the floor. Stainless steel screws and plastic anchors may also be used.
5. Clean all frames and intermediary supports before installing grilles; debris cannot be tolerated between the frame and grille.
6. Place grille(s), loose laid, within frame.

Questions? Please call Mats Inc. for assistance.