matter

Nuway® HD Aluminum Foot Grilles

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. Deep Recessed Installation Instructions

1. Prepare a recess in the concrete flooring (block out) where the foot grille will be located. The recess should be at least 1” deeper than the total height of your foot grille, frame and pan. 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. Place the frame in the recess. Use shims to raise frame to exact height of finished floor and level the frame.

3. Pour concrete (using non-shrinking grout – sand coat is not recommended) around perimeter of frame.

4. Level the concrete. Frames without pans 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.

5. Ensure there will be no traffic of any kind on the grilles, frames, and intermediary supports during the drying period of the non-shrinking grout.

6. Before the concrete hardens, recheck that the dimensions are correct, frame is square and level, and the intermediary supports are fully supported by wet concrete.

7. 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.

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8. In order to avoid damages, foot grille sections should not be set in place until end of the construction. However, if they must be set in place before, they must be covered with protective plywood.

9. Clean all frames and intermediary supports before installing grilles; debris cannot be tolerated between the frame and grille.

II. Shallow Recessed Installation Instructions

1. Select the proper thickness option of Nuway matting that best fits your abutting finished floor covering. Select the proper sized right angle frame to accommodate the required thickness of the mat and the finished floor covering. A Schluter frame may also be easily utilized in conjunction with tile stone or other hard surface floor covering material.

2. Secure the mat frame to the concrete sub-floor using anchor bolts into lead anchors that are set into the sub-floor. Stainless steel screws and plastic anchors must also be used. Schluter strip or frame is to be installed per manufacturer's suggested process.

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. If necessary, use concrete (using non-shrinking grout) around the outside edges of the frame to fill any potential gaps between the frame and abutting finished floor covering. In addition, fill the center of the frame area (internal well area), level with top of the inside lip of the frame to ensure that the matting lies on a continuous, smooth, level surface without rocking.

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.

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10. Clean all frames and intermediary supports before installing grilles; debris cannot be tolerated between the frame and grille.

11. Place Nuway grilles (panels), loose laid, within frame or Schluter strip.

III. 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 Nuway grilles (panels), loose laid, within frame or Schluter strip.

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