

## Installation Guidelines - Nuway® Aluminum Foot Grills

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Before any installation is started, be sure to:

- Verify the product thickness
- Verify the product color
- Verify the type and size of the foot grill and frame
- Check for any visual defects or damage that may have occurred in shipment

» Any questions regarding the quality of the material should be addressed prior to installation «

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

### **Deep Recessed Installations**

1. Prepare (block out) a recess in the concrete flooring where the foot grill will be located. The recess should be at least 1" deeper than the total height of your foot grill, 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 the frame to the exact height of the finished floor and level the frame.
3. Pour concrete around the perimeter of frame (Use a non-shrinking grout – sand coat is not recommended).
4. Level the concrete. For 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 grill support. Make sure the concrete is smooth and level with the lip of the frame so the grill lies perfectly flat and will not rock.
5. Ensure that there will be no traffic of any kind on the grills, frames and intermediary supports during the drying period of the concrete.
6. Before the concrete hardens, re-check to ensure that the dimensions are correct, that the frame is square and level, and that the intermediary supports are fully supported by wet concrete.
7. After the concrete has hardened, install plywood into the recess to fully protect the frame edges until just before the entrance is opened and the foot grills are installed.
8. In order to avoid damages, foot grill sections should not be set into place until end of construction. If they must be set in place before the end of construction, they must be covered with protective plywood.
9. Clean all frames and intermediary supports before installing the grills; debris cannot be tolerated between the frame and grill.

## **Shallow Recessed Installations**

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 materials.
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 may 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. Install 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 (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 the top of the inside lip of the frame to ensure that the matting lies on a continuous, smooth and 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 grill support. Make sure that the concrete is smooth and level with the lip of the frame so that the grill lies perfectly flat and will not rock.
8. After the concrete has hardened, install plywood into the recess to fully protect the frame edges until just before the entrance is opened and the foot grills are installed.
9. Clean all frames and intermediary supports before installing the grills; debris cannot be tolerated between the frame and grill.
10. Place the Nuway® grills, loose laid, within the frame or Schluter strip.

## **Surface Installations**

1. Mark the layout on the floor where ramp frame needs to be positioned for a smooth transition.
2. If holes are 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 by 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 the grills; debris cannot be tolerated between the frame and grill.
6. Place the Nuway® grills, loose laid, within frame or Schluter strip.

***Questions? For additional information, contact Forbo Technical Services at (800) 842-7839.***