



matting / athletics / flooring

## BASEGRILLE SS-800 SERIES INSTALLATION

### INTRODUCTION

This product must be installed by an installer with a minimum of five years of proven experience in performing work similar to that required for the product. Acceptable certifications include The International Standards and Training Alliance (INSTALL), The International Certified Floorcovering Installers Association (CFI), and Flooring American University.

### DELIVERY

Order materials in compliance with product supplier's ordering and lead time requirements in order to receive delivery at least 48 hours in advance of installation (to allow materials to acclimate to job site conditions).

Accept delivery of materials only if they are in unopened, undamaged packaging that bears the name and brand of the manufacturer or supplier and project identification.

### STORAGE

Store material in original packaging in areas that are enclosed and weather tight with permanent HVAC system set at a temperature between 65° F and 80° F for a minimum of 48 hours prior to commencement of installation.

If material is distorted during storage or transporting, do not attempt to install it.

### MATERIALS AND ACCESSORIES REQUIRED

- Flooring: Provided BaseGrille Stainless Steel panels.
- Frame: Provided BaseGrille Stainless Steel frame to be installed in a recess.

- Other: Recess wood forms, concrete, drill, 5/16" masonry bit, 1/2" masonry bit, waterproof self-leveling grout, furnished product appropriate hardware (screws, anchors, hex key wrenches), basic hand tools (hammer, Phillips screwdriver, bit).

### LAYOUT

The flooring dealer or contractor shall provide a layout drawing for the intended installation that contains the following information:

- Date and scale of drawing
- Location, swing, and clearance of all doors
- Name of manufacturer, product style and pattern to be installed
- Product quantities required

The end user shall be provided a copy of the layout drawing for approval prior to installation.

### SUBSTRATE PREPARATION

Concrete Substrates and Subfloors:

- Floor laying work shall not begin until the installer has assessed and approved the substrate and subfloor conditions.

Floor Recess:

- Use wooden forms to prepare a recess in the concrete flooring (block out) where the foot grille will be located. The recess shall be at least 1-1/4" depth for 1-1/8" grate and 3/4" for 5/8" grate to final finished floor surface.

- For grilles without a frame, recess should be made to overall size of grate plus 1/16" on all sides for clearance.
- 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.
- The frame's exposed surface must be flush with the finished floor.

## INSTALLATION INSTRUCTIONS

### Frame:

1. Place the frame in the recess.
2. Use shims to raise the frame to the exact height of the finished floor and level the frame.
3. Before fastening, double check height is level and assembly is even and square.
4. Clean the recess of all dirt and debris.

### Grout:

1. Grout the concrete pit to bring the bottom of recess flush with top of lower frame, using a waterproof self-leveling grout. (Recommended brands include: Quikrete #1585 mixed with #8610 Acrylic Fortifier or VinylCrete with Acrylic Fortifier).
2. Pour and level grout using horizontal ledge of frame opening as screed points.
3. Make sure the concrete is smooth and level with the lip of the frame to ensure proper grate installation, alignment and to prevent tripping.
4. Allow the grout to cure prior to inserting the grate.

### Grid:

#### BaseGrille SS-838

1. Locate the built-in lock-down tabs on the stainless panels.
2. Carefully place the grid panels in the recess. Adjust fit as needed and place exactly for final location.

3. Dip one end of 1/4" hex key in puddle of pen ink or marking paint. Carefully feed wrench through the tab and mark cement floor at center keyhole. These will be the location spots to install the 1/4-20 machine screw anchors.
4. Carefully remove panels from the recess. Keep in mind that these panels are not interchangeable. They will need to be re-installed in identical locations after the anchors are placed.
5. At the marked locations on the floor, drill with a 1/2" masonry drill to the proper depth to fit anchor.
6. The holes must be free of dust and debris and oil prior to installing anchors.
7. Mix epoxy in separate tray and place adequate amount in each hole just prior to installing anchor. Preferred epoxy is Red Head Epcon A7 Fast Curing Acrylic.
8. Install anchor making sure the threaded part is upright and straight and free of excess epoxy.
9. After anchors have set in place and cured, carefully re-install panels in original positions.
10. Feed the 1/4-20 x 1" stainless screw through the tab and use a Phillips screw driver to tighten cap to hold panels in position.
11. Do not allow traffic of any kind on the grilles or frames during the drying period of the non-shrinking grout.
12. To avoid damage, grille sections should not be set in place until the end of the construction. However, if they must be set in place before construction ends, they must be covered with protective plywood.

#### BaseGrille SS-858 and BaseGrille SS-898

1. Locate the built-in lock-down tabs on the stainless panels.
2. Carefully place the grid panels in the recess. Adjust fit as needed and place exactly for final location.
3. Dip one end of 1/4" hex key in puddle of pen ink or marking paint. Carefully feed wrench through the tab and mark cement floor at center keyhole. These will be the location spots to install the 1/4-20 machine screw anchors.
4. Carefully remove panels from the recess. Keep in mind that these panels are not interchangeable. They will need to be re-installed in identical locations after the anchors are placed.

5. At the marked locations on the floor, drill with a 1/2" masonry drill to the proper depth to fit anchor.
6. The holes must be free of dust and debris and oil prior to installing anchors.
7. Mix epoxy in separate tray and place adequate amount in each hole just prior to installing anchor. Preferred epoxy is Red Head Epcon A7 Fast Curing Acrylic.
8. Install anchor making sure the threaded part is upright and straight and free of excess epoxy.
9. After anchors have set in place and cured, carefully re-install panels in original positions.
10. Feed the 1/4-20 x 1" stainless screw through the tab and use a Phillips screw driver to tighten cap to hold panels in position.
11. Do not allow traffic of any kind on the grilles or frames during the drying period of the non-shrinking grout.
12. To avoid damage, grille sections should not be set in place until the end of the construction. However, if they must be set in place before construction ends, they must be covered with protective plywood.

## **CLEAN-UP AND FINAL FINISH**

- Maintain the room temperature between 65° F and 80° F for 48 hours after installation. Thereafter, maintain temperature at a minimum of 55° F.
- Commercial vacuum to clear the area of debris and grit.
- Keep all traffic off flooring for 24 hours while it sets.
- Do not allow heavy traffic, such as rolling traffic or furniture, until 36 hours after installation.