



## **ST-38**

### **3/8" Stainless Steel Grating Installation & Maintenance**

#### **PREPARE FOR INSTALLATION**

1. Locate the packing slip(s) and shop drawings.
2. Verify that all products listed on the packing slip are included in the package.
3. Check the products for damage. If products are damaged, report a freight claim immediately and leave the products in their packaging. If you sign for products without reporting damage you waive your right to a freight claim and will be responsible for their replacement cost.
4. Read the instructions thoroughly before beginning installation.

#### **INSTALL THE FRAME**

*A flat floor and accurately installed frames are critical to the overall performance of the grille.*

1. Verify that the floor is flat within 1/8 inch over 10 feet. Floor must be flat to prevent damage to the mat / grille. Utilize a self-leveling compound (provide by others) if necessary to ensure a level floor surface.
2. Position the pre-cut and pre-mitered frame pieces on the floor as indicated on the shop drawings.
3. Mark the fastening point locations on the frames. The required locations are indicated on the shop drawings. Otherwise, evenly space the fastening points at a maximum distance of 24 inches on all sides of the frame. Drill and countersink 1/4 inch diameter holes at the marked locations.
4. Mark and drill 1/4 inch diameter holes in the floor for the anchors.
5. Using the provided anchors, secure the frame to the floor.

#### **INSTALL THE GRILLE**

1. Clean the recess thoroughly. Note that debris will cause irregularities in the recess that may cause the mat to rock or create a tripping hazard.
2. Consult drawings to determine the correct locations of the Grille sections.
3. Set grilles into the recess.
4. Save the installation and maintenance instructions and include them with the closeout documentation for the owner and maintenance personnel.

#### **INSTALL THE MAT**

1. Clean the recess thoroughly. Note that debris will cause irregularities in the recess that may cause the mat to rock or create a tripping hazard.
2. Consult drawings to determine the correct locations of the mat sections. Mats provided in multiple sections in the traffic direction will include an additional hinge for combining the sections.
3. Unroll the mat inside the frame. Push the mat tightly up against one side of the frame. Trim the attached vinyl filler to ensure a tight fit in the recess.
4. Save the installation and maintenance instructions and include them with the information that will be passed on to the owner or maintenance personnel.

Continued maintenance is critical to the long-term safety and performance of the mat / grille. Remove the mat / grille and clean the recess periodically to prevent the surface from becoming uneven. Debris build up within the recess could lead to deflection in the Grille and may possibly cause tripping hazards.

## **MAINTENANCE**

The type and schedule of maintenance of your grille or mat will depend upon location and amount of traffic. See the outline below for cleaning instructions for the variety of tread insert materials.

- Aluminum Abrasive
  - Clean the vinyl abrasive treads with a vacuum or broom.
  - Do not use any hydrocarbon solvents such as kerosene, paint thinner or acetone to clean aluminum abrasive treads. These types of solvents will damage the treads
- Bristle Filament
  - Clean the brush treads with a vacuum or broom.
  - Do not use petroleum-based products to clean brush bristles. These types of solvents will damage or fade the treads.
- Buffed Rubber
  - Use a mild detergent and water with a soft bristle brush or microfiber mop.
  - Do not use petroleum-based products to clean recycled rubber. These types of solvents will damage or fade the treads.
- Long Wear Carpet
  - A good heavy-duty vacuum cleaner with a rotating brush is the most effective way to routinely clean the carpet in your entrance Grille or mat. By vibrating the fibers, this type of vacuum not only cleans the

surface of the carpet, but also removes soil that is imbedded into the pile. The rotating brush aids in keeping the pile upright for longer lasting beauty.

- The heaviest traffic areas should be vacuumed daily and the light traffic areas as infrequently as weekly.
- Carpet should be deep cleaned with a hot water extraction cleaner once per month or when vacuuming will no longer remove the soil. This may be monthly, quarterly, or longer, depending upon soil and traffic conditions.
- Inspect the grille or mat regularly for spots and stains, to reduce the possibility of them becoming permanent.
- Removing Spots
  - If the spot is semi-solid, scrape with a spoon or spatula and then blot with a damp sponge. Work from the edge of the spot to the center. This will keep the stain from spreading. If this procedure does not work, use a spot remover.
  - We recommend a dry system because it reduces solid build-up won't leave floors wet and slippery, and there is no risk in damaging the carpet from dye bleeding. For most spills such as coffee, tea, pet stains, etc., a dry soil extractor works best.
  - Wet cleaning methods, including aerosols, foams, hot water extraction, or shampoo will work, but sometimes they leave sticky detergent residue that will accelerate soil build-up.
  - For oily stains such as tar, grease, paint, etc., a non-flammable dry cleaning solvent works best. Be extremely careful when using dry cleaning solvent. Take care to check for color fastness before cleaning the entire surface. Put a few drops of stain remover in an inconspicuous area and press the area with a clean cloth for ten seconds. If the color fades or changes, discontinue use.
- Corrugated Rubber
  - Use a mild detergent and water to damp mop the rubber treads. To remove caked on mud, use a stiff brush.
  - Do not use petroleum-based products to clean rubber. These types of solvents will damage or fade the treads.
- Corrugated Aluminum
  - Clean the treads with a vacuum or broom first, and then mop the treads with standard floor cleaner.
- Stainless Steel Grilles
  - Surface wires can be cleaned with a non-ferrous cleaner such as 3M's Scotch Brite™



- Do not use steel wool or abrasive pads. The steel in these products will embed in the wires and subsequently rust.
- Rigid Corrugated Vinyl
  - Clean the vinyl abrasive treads with a vacuum or broom.
  - Do not use any hydrocarbon solvents such as kerosene, paint thinner or acetone to clean vinyl abrasive treads. These types of solvents will damage or fade the treads.

Follow the tread maintenance instructions to ensure the long life of the grille tread. Contact Amarco Products for information on replacing damaged treads.