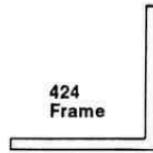


Installation Instructions

Aluminum Foot Grille - 1-5/8" - Recessed Floor Mat

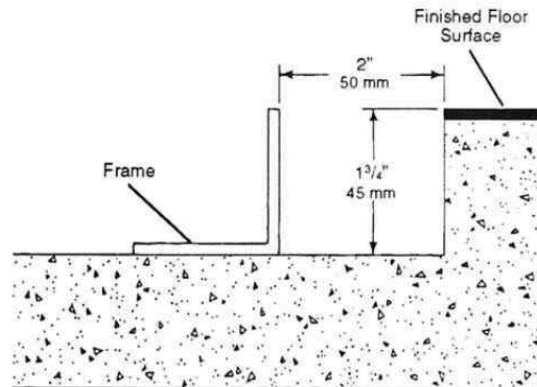
#424 Grate Frames



1. Prepare the floor recess

Prepare a recess in the concrete flooring where the grate will be located. The recess should be at least:

- 1³/₄" (45 mm) deep
- 4" (100 mm) wider than the outside dimensions of the frame — this allows 2" (50 mm) on all sides to maneuver the frame into position



2. Drill anchor holes

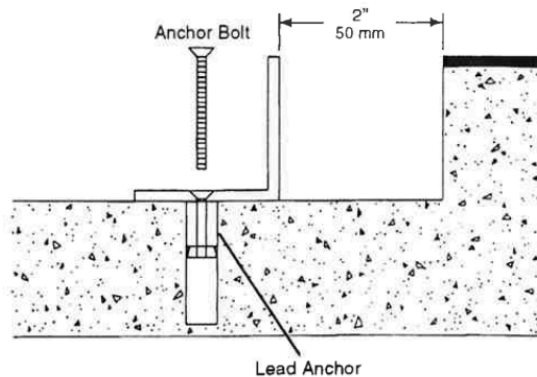
The grate frames should be secured to the concrete floor using anchor bolts into lead anchors that are set into the floor.

Drill holes in the frames at about 2-ft (6-m) intervals for the bolts. Countersink the holes.

Set the frames into the recess at the appropriate locations to position the grate(s). Mark the hole locations on the concrete.

Remove the frames and drill holes in the floor for the anchors.

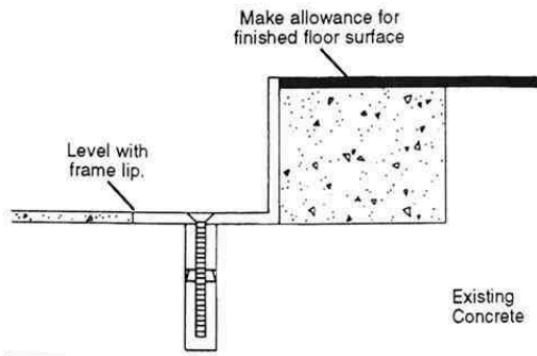
Install the anchors using an anchor setting tool.



3. Secure frames in the recess

Reinstall the frames. Secure them to the floor with 1/8" x 1 1/2" anchor bolts into the lead anchors.

NOTE: If necessary, shim under the frame sections so that the top edge of the frames will be flush with the finished floor surface, and the frames are level.

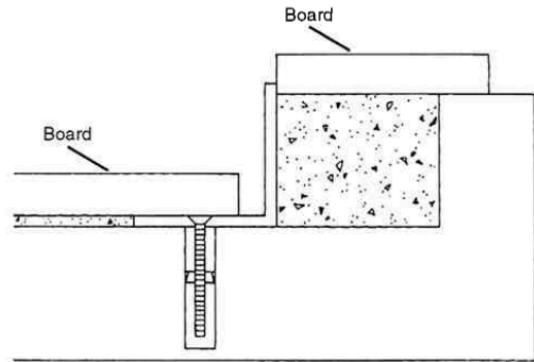


4. Pour concrete

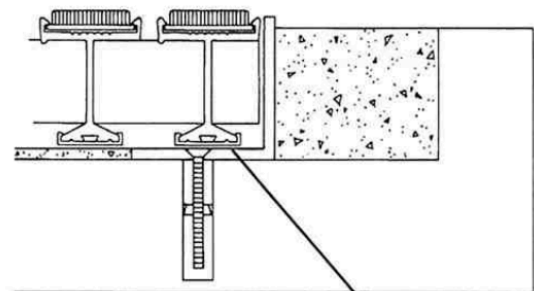
Pour concrete (or grout) around the edges and in the center of the frame.

5. Level the concrete

Cut a board just slightly **shorter** than the width of the frame.
Use the board to smooth and level the concrete.



Be very careful that the concrete is absolutely smooth and level with the inside lip of the frame. This will allow the grate to lie perfectly flat and avoid rocking.



Level the concrete so the grate will lie flat when installed.

6. Recheck all dimensions

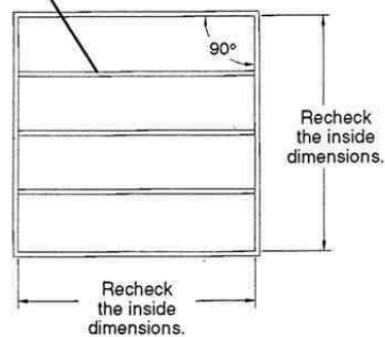
Before the concrete sets, recheck that:

- The frame sides are straight
- The frame corners are at correct angles so the grate will fit properly
- All inside dimensions of the frame are accurate according to drawing measurements

If the frame bows inward, use spreaders inside the frame until the concrete is thoroughly set.

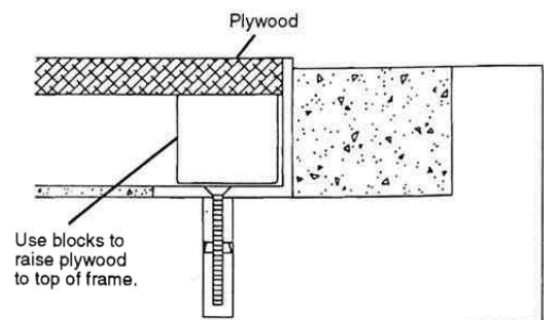
IMPORTANT: The grate is made to fit snugly into the frame according to the drawing.

Use spreaders if frame bows inward.



7. Protect the frame edges

When the concrete has hardened, install plywood or other material in the recess to protect the frame edges from damage until the grate is installed.



Aluminum Foot Grille – 1-5/8" – Recessed Floor Mat

Perfec Grate Specifications

MATERIAL MAKE-UP

- Perfec Grate recessed floor mats are made from 6063-T52 aluminum.
- The Perfec Grate floor mat consists of durable "I"-beam construction secured with key-lock bars on 6" centers. Both mechanically locked and welded in place for maximum strength.
- Perfec Grate Recessed Mat Thickness: 1-5/8"
- Blade Spacing does not exceed 1/8"
- Tread rails shall spaced 1-1/2" on center.
- [Insert Options](#) for Perfec Grate Recessed Floor Mats Include:
 - Carpet Inserts
 - Poly Brush Inserts
 - Vinyl Tread Inserts
 - Vinyl Abrasive Inserts
 - Serrated Aluminum Treads
- Standard load rating for the Perfec Grate is 300 lbs./wheel rolling load.
- Perfec Grates require a recessed frame.
- Frame depths for recessed floor mats are available in several options from 1-3/4" (standard applications) to 4-1/8" (deep pit applications).
- Radials and contours are possible.
- Please consult a sales representative for specific product line drawing profiles.

FORMAT

Recessed Foot Grille Grate

INSTALLATION

Recessed

Cleaning and Maintenance Instructions Recessed Aluminum Floor Mats

General:

- During the winter season, remove product and clean rails once per week. During other seasons, once per month should be sufficient.
- Debris between the rails should be removed during the cleaning process. Each time the rails are cleaned, make sure there is no debris underneath in the recess; this will prevent product from warping due to an uneven substrate and prevent long-term problems. (Vacuuming is the most effective method for this cleaning.)
- If the units are above a drain, ensure that nothing is blocking the water flow to the drain.
- Never apply wax or other polishing products to the surface of the units; this would create a potential hazard.

Specifics:

- Clean aluminum surfaces with soap and hot water, then allow mat to dry.
- If applicable, periodically clean carpet and scraping inserts with a hot water extraction machine to remove soil and restore pile.

Exceptions (in addition to above):

- When cleaning products manufactured with rubber hinges (GB-200 Series, GB-500 Series, and MB-400 Series), inspect the hinges and locking mechanism to ensure that all parts are securely attached and are functioning properly. Any parts not functioning properly should be replaced to avoid further problems.
- A stainless-steel cleaner can be utilized, if desired, to maintain surface shine on products (stainless steel); Simple Green or Sheila Shine are good options. Just follow the manufacturer's directions on whatever cleaner is chosen.

Carpet Inserts



Charcoal



Black



Midnight



Sandy



Espresso



Java



Blue

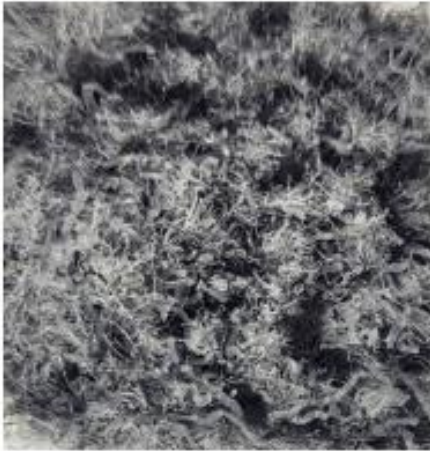


Mauve



Black Cherry

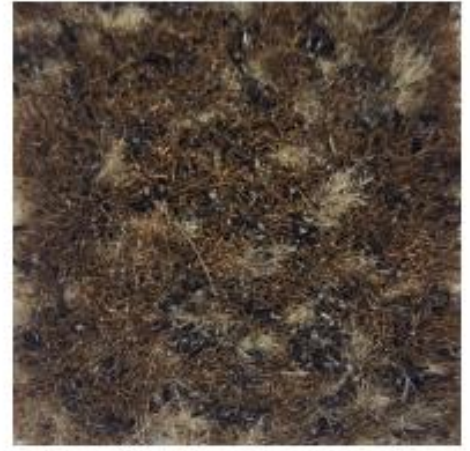
Poly-Brush Colors



Grey



Black



Brown

Vinyl Inserts



Black



Grey



Beige



Blue



Brown

Serrated Aluminum Treads

****only available if you alternate with a different tread**



LEED DATA
ENTRANCE SYSTEMS

Recycled Material

- Aluminum materials in our entrance systems contain a minimum average of 50% pre-consumer recycled material.
- Our santoprene and poly in the hinge of our rubber hinged mats contains an average of 80% pre-consumer recycled material.
- There is an average of 30% pre-consumer recycled material in all of our vinyl fillers, vinyl frames, and vinyl inserts.
- Our abrasive brush and carpet inserts contain 50% pre-consumer recycled material for the backing of the insert.
- There is not any post consumer recycled material in our products.
- All Reese roll-up mats and grates comply with EQ credit #5.



Jon Bethards
Marketing Specialist

Warranty

Claims:

- Goods in transit are at the risk of the purchaser for loss or damage.
- Claims for shortage or improper fulfillment of orders must be made within two weeks from the date of receipt.
- If goods appear defective, the purchaser should discontinue their use and notify Mad Matter at once so the matter can be investigated.
- Reese Enterprises does not assume liability for consequential damages or delays and claims for labor will not be allowed.
- Mad Matter, at its option, shall repair or replace any part or component part which shall prove defective to the original purchaser.

Warranty:

- All weatherstrip and threshold products are guaranteed for a period of FIVE YEARS from the date of delivery against defects in material and workmanship.
- Self-adhesive weatherstripping must be installed within six months of the delivery date in order for the warranty to be valid.
- Defective goods will be replaced or repaired at the discretion of Reese Enterprises. No claims for damage incurred or work done thereon will be allowed.
- Cost of replacement shall not exceed the original purchase price.
- Warranty claims must be submitted in writing within the warranty period.
- Reese does not assume liability for defects or damage arising from improper installation, lack of recommended maintenance, misuse, modifications, use in incompatible products, or ordinary wear and tear.

Cancellation Charges:

- Orders for special products and non-standard sizes are subject to a cancellation charge based on labor and material used prior to cancellation.

Return Goods:

- No merchandise will be accepted for return without prior written approval.
- Specially fabricated products, non-standard drilling, and non-standard sizes are not returnable.
- Returned material must be of a recent sale (less than a year from the invoice date), standard stocks sizes, and in resalable condition.
- All returns are subject to a 35% restocking charge plus freight charges.