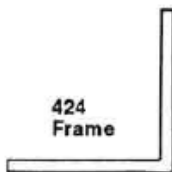


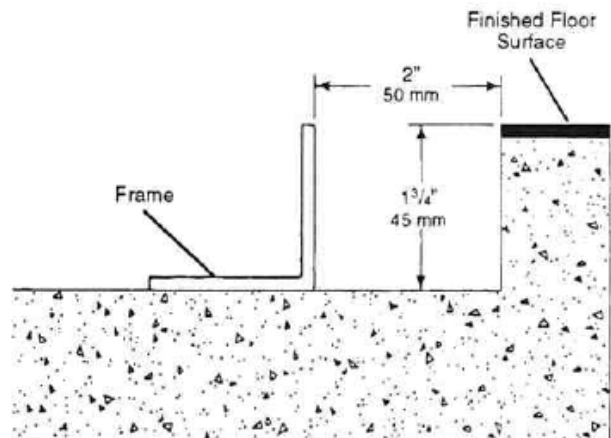
Recessed Floor Mats 3/4" Aluminum Roll Grates Install Instructions #424 Frames



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

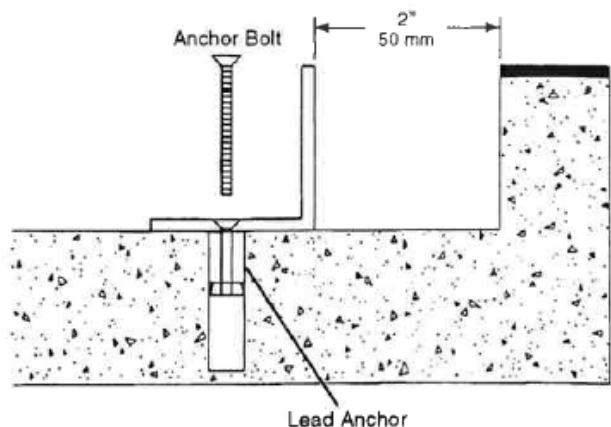
The grate frames should be secured to the concrete floor using anchor bolts into lead anchors that are set into the floor.

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.



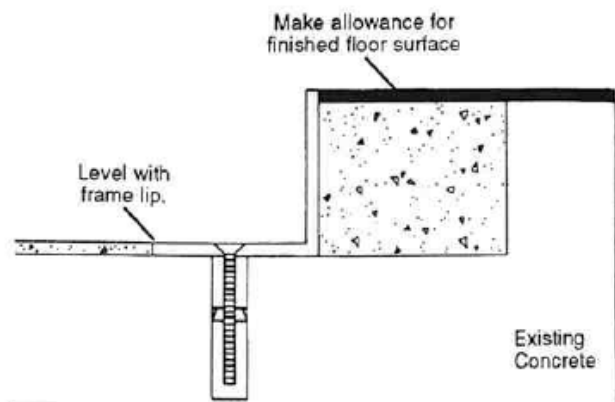
3. Secure frames in the recess

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.

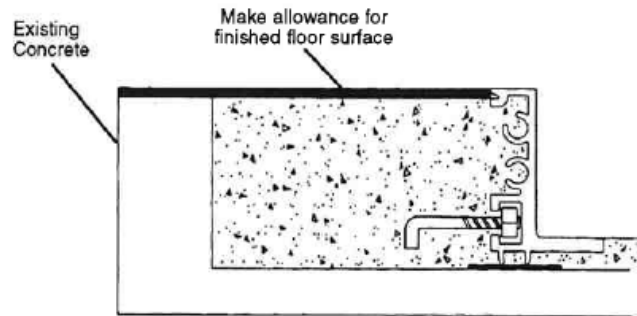
4. Pour concrete

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



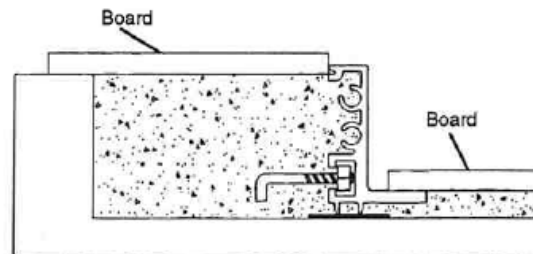
5. Pour concrete

Pour concrete (or grout) around the edges and in the center of the frame, until the concrete is level with the lip on the 420-L frame sections.

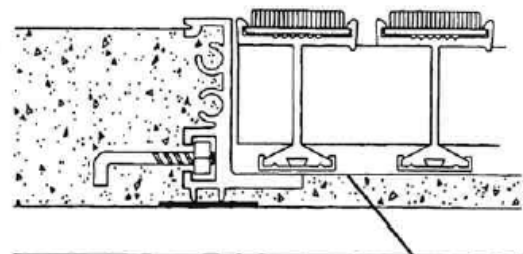


6. Level the concrete

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.



7. Recheck all dimensions

Before the concrete sets, recheck that:

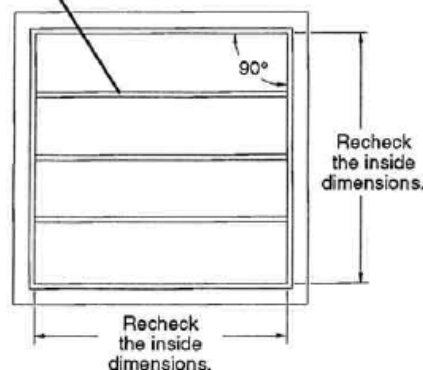
- The frame sides are straight
- The frame corners are at correct angles so the grate will fit properly
- All inside dimensions of the frame are accurate according to drawing measurements

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. Reese cannot be responsible for problems that result from improperly installed frames.

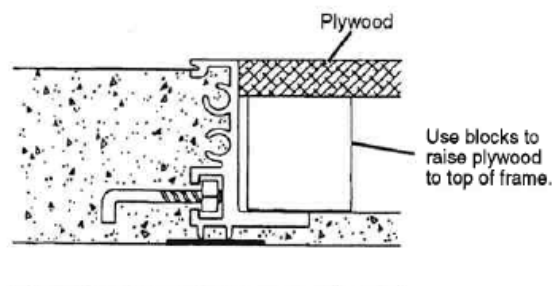
Use spreaders if frame bows inward.

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

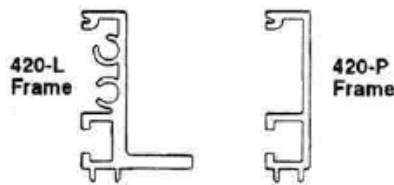


8. Protect the frame edges

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.



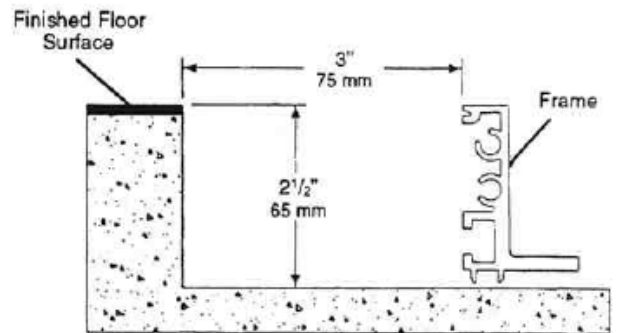
Recessed Floor Mats 3/4" Aluminum Roll Grates #420 Frames



1. Prepare the floor recess

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

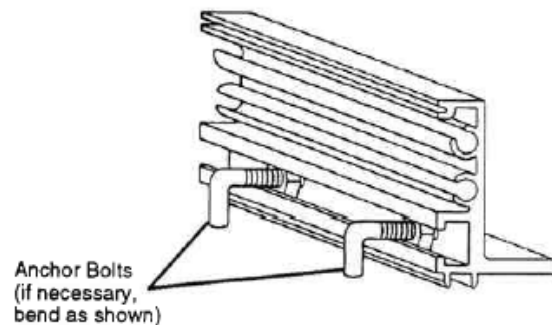
- 2 1/2" (65 mm) deep
- 6" (150 mm) wider than the outside dimensions of the frame — this allows 3" (75 mm) on all sides to maneuver the frame into position



2. Install anchor bolts

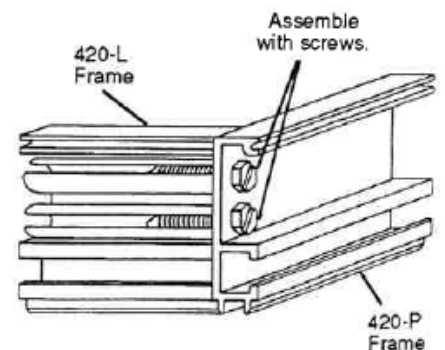
Slide 1/4" x 3" anchor bolts (with nuts) into the frames from the end. If you were unable to allow the 3" (75 mm) spacing specified above, you may have to bend the bolts so the assembled frame will fit in the recess.

Space the bolts at approximately 2-ft (0.5-m) intervals along the frame sections.



3. Assemble the frame

Using the screws provided, assemble the frame.

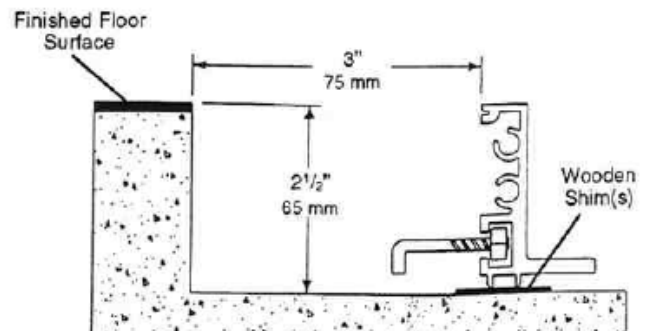


4. Place the frame in the recess

Set the frame in the recess at the desired location.

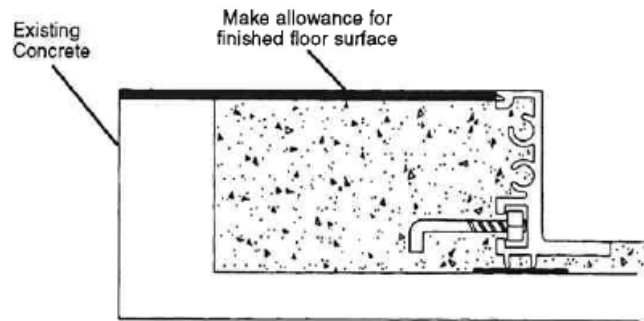
Use wooden shims to:

- Raise the frame so the top will be flush with the finished floor surface
- Level the frame



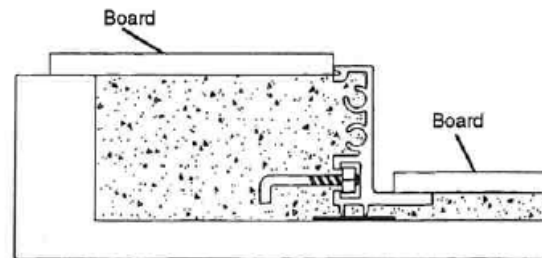
5. Pour concrete

Pour concrete (or grout) around the edges and in the center of the frame, until the concrete is level with the lip on the 420-L frame sections.

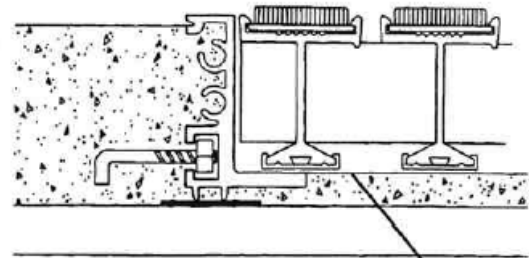


6. Level the concrete

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.



7. Recheck all dimensions

Before the concrete sets, recheck that:

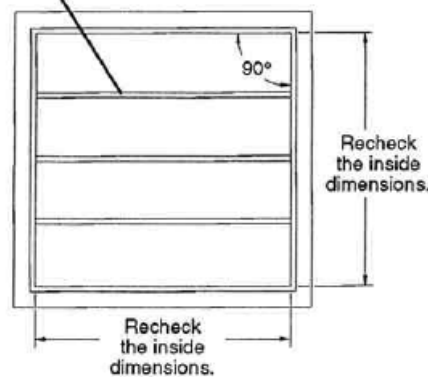
- The frame sides are straight
- The frame corners are at correct angles so the grate will fit properly
- All inside dimensions of the frame are accurate according to drawing measurements

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. Reese cannot be responsible for problems that result from improperly installed frames.

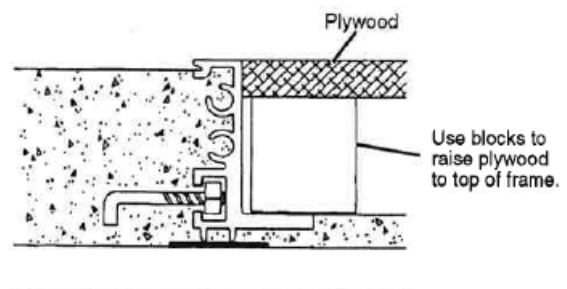
Use spreaders if frame bows inward.

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



8. Protect the frame edges

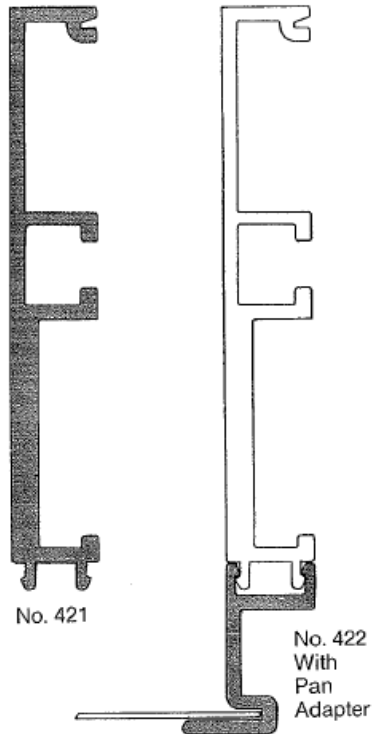
When the concrete has hardened, install plywood or other material in the recess to protect the frame edges from damage until the grate is installed.



Recessed Floor Mats 3/4" Aluminum Roll Grates #421

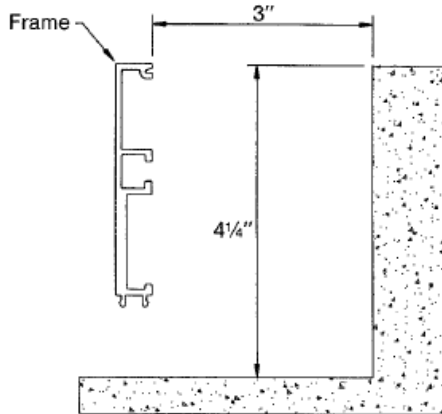
Frame Option #421

For use with or without Metal Drain Pan #422



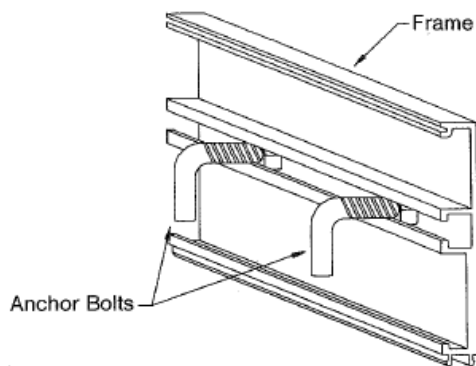
1.

Recess must be provided in concrete flooring at location of grate. Recess should be deep enough to allow construction of the desired pit, but no less than 4¼", to allow the cross supports to fit under the grate. The length and width should be 6" greater than the frame dimensions. This will allow 3" on all sides to maneuver the frame into position and sufficient concrete strength to support the grate.



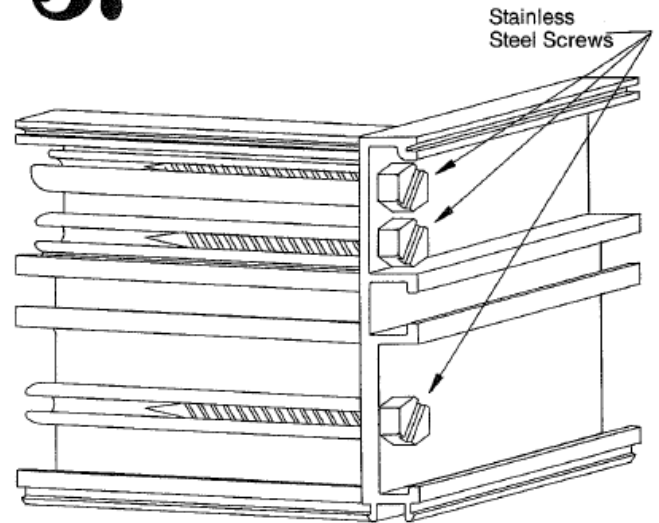
2.

Install anchor bolts (¼" x 3") using brass nuts provided, by sliding into frame from end. Space at approximately 2 foot intervals on all four sides. Anchor bolts may be bent to fit a recess if necessary.



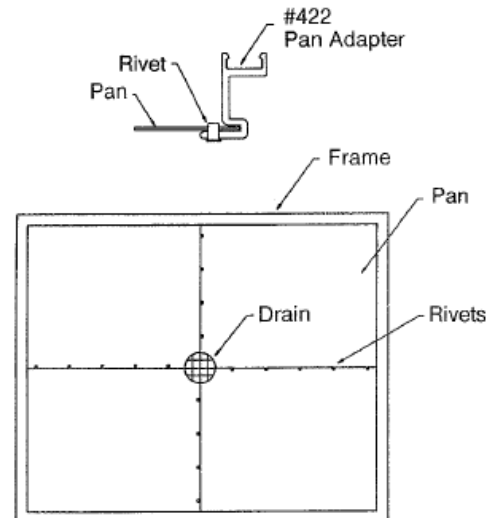
3.

Assemble frame with the stainless steel screws provided.



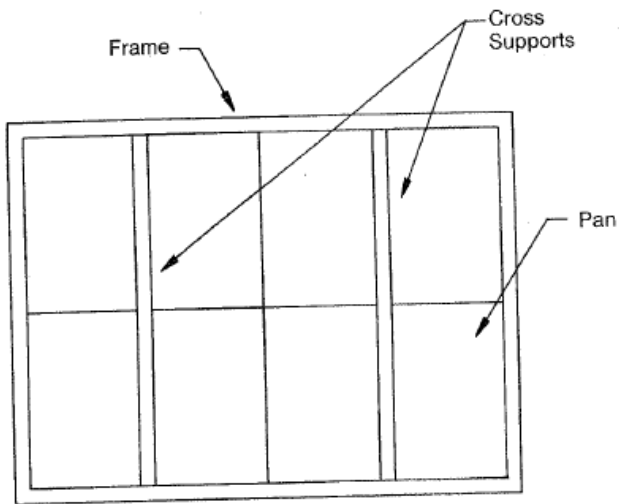
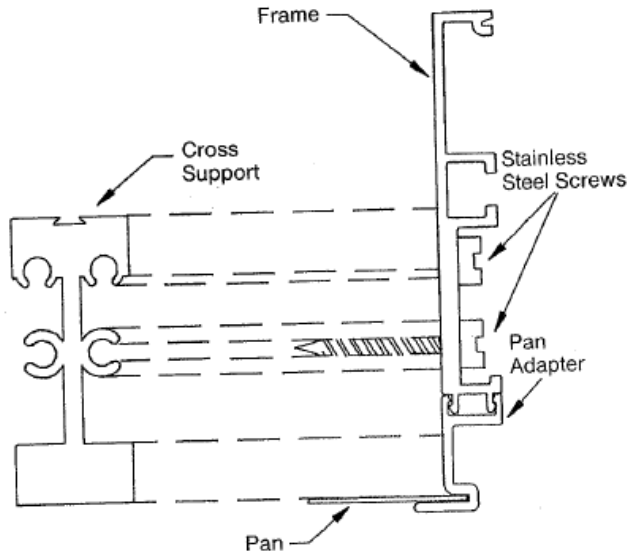
4.

Install pan material into lip on frame. Rivet pan material to pan adapter lip with pop rivets provided. If pan is in sections, pop rivet these sections together. Locate drain and cut hole in pan. Seal joints and drain as required with silicone or caulk.



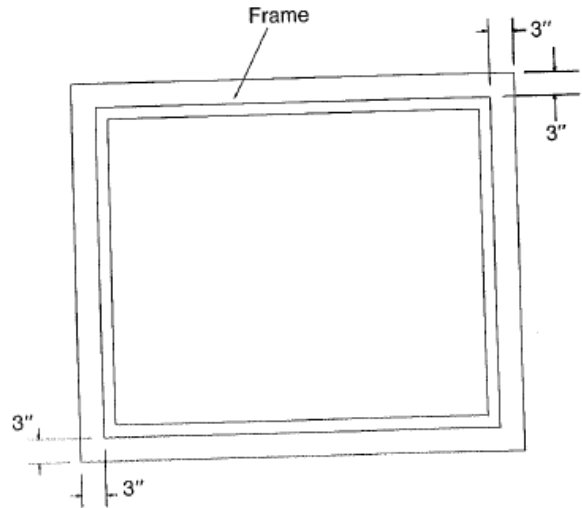
5.

Install cross supports on frames that are 4 foot x 4 foot or larger. Fasten cross supports to frame with the stainless steel screws provided. Installation should be done after installing pan sections.



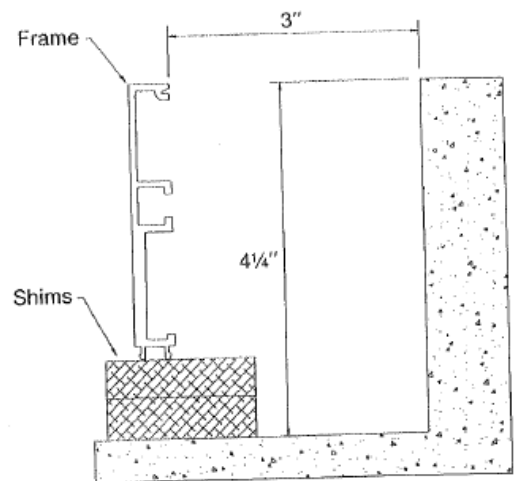
6.

Locate assembled unit in opening at desired position.

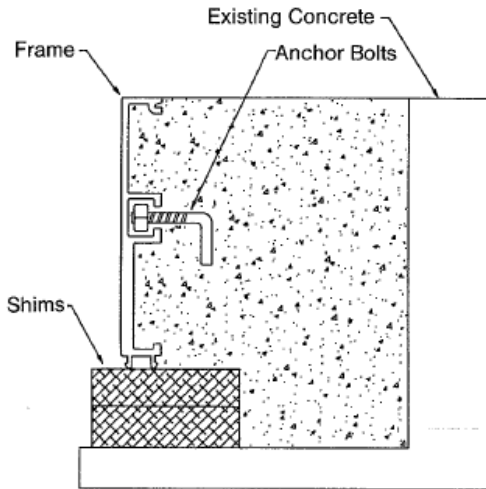


7.

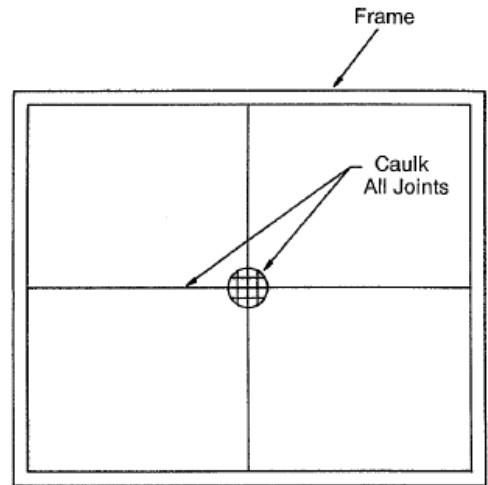
Use wooden shims to level frame to position flush with final level of finished floor surface.



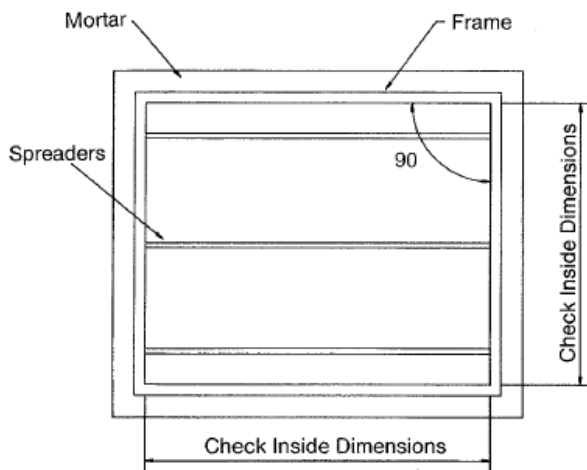
- 8.** Pour cement mortar around edges and trowel it in so that when hardened it provides proper support for frame and anchor bolts.



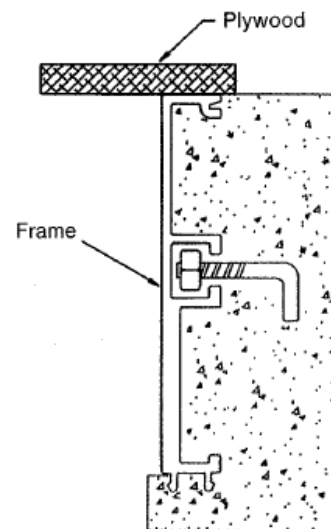
- 10.** If drain pipe is used with drain pan, connect pan to drain pipe. Caulk all joints and connections to prevent leakage.



- 9.** Before mortar is allowed to set up, be sure that frame sides are straight and that corners are at perfect 90 degree angles so grating will fit properly. Check inside dimensions of frame against drawing measurements to be sure they are accurate. Remember — the grate is being made to fit snugly into the frame according to the drawing. If frame tends to bow inward use spreaders.

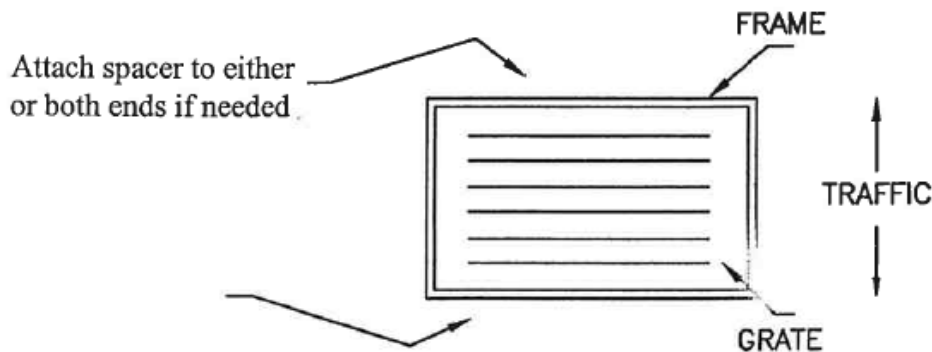


- 11.** Plywood or other material should be placed on top of frame to protect frame edges from damage prior to installation of grate at some later time.



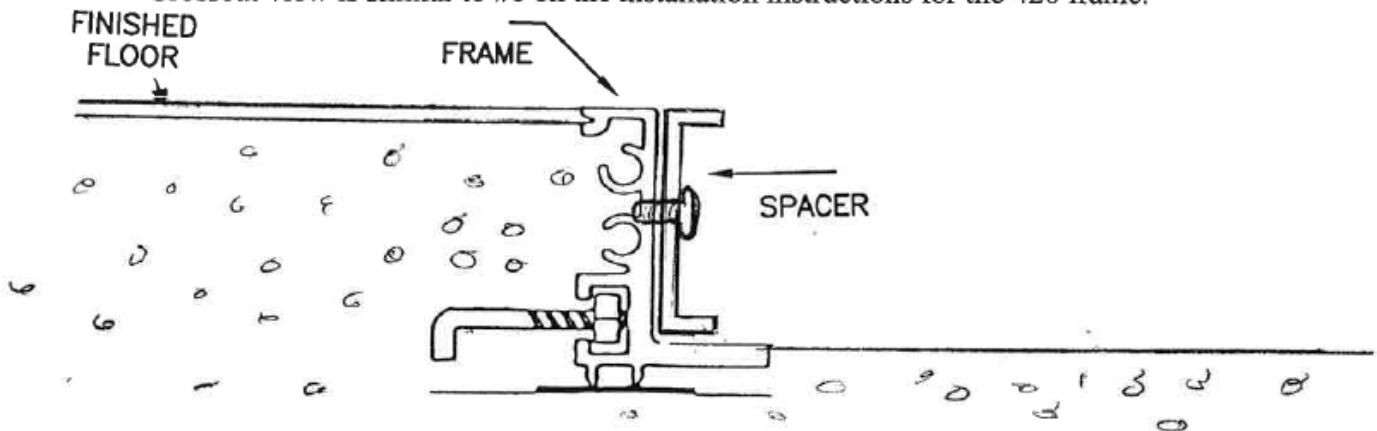
Spacer Installation Instructions:

To install, place spacer in the appropriate location (spacer runs parallel with the grating rails and is attached to the frame at the leading or following edge of the traffic direction).



When placing the spacer, make sure that the smooth 1 5/8" face is placed next to the inside frame edge, the 1/2" edge is flush with the frame edge throughout the entire length, and the ends of the spacer are evenly placed.

Crosscut view is similar to #6 on the installation instructions for the 420 frame.



Secure in place to the frame by drilling approximately every two feet. Use a #14 drill bit to drill holes through the spacer and to the frame piece. It is imperative that the spacer not move while drilling. Before attaching the spacer to the frame with enclosed hardware, make sure that all debris is removed between the face of the frame and the spacer to insure a proper fit.

Recessed Aluminum Rollgrate - 3/4" Perfect Roll-Up Grate Specifications

Recessed Aluminum Rollgrate - 3/4" Perfect Roll-Up Grate Specifications

- Heavy Duty 3/4" Rollup Grate - 6105-T5 aluminum.
- Aluminum Rollgrates are easy to lift and roll up to maintain.
- Overall Recessed Floor Mat Thickness: 3/4"
- Tread Insert Spacing 1" x 1/8" slotted holes for maximum drainage
- 3/4" Recessed Floor Mat Tread rails are spaced 1-1/2" on center and connected with polypropylene thermoplastic rubber hinges/footpads.
- [Insert Options](#) for the Perfect Roll-Up Grate Include:
 - Carpet
 - Poly Brush
 - Vinyl
 - Vinyl Abrasive
 - Serrated Aluminum
- Standard load rating for 3/4" Recessed Mats is 1,000 lbs./wheel rolling load.
- Custom Floor Mats like the Perfect Roll-Up Grate require recessed application.
- Two Frame depth Options from 7/8" (standard applications) to 1-3/32" (deeper pit applications).
- Please consult a sales representative for specific product line drawing profiles.

FORMAT

Recessed Roll Grate

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

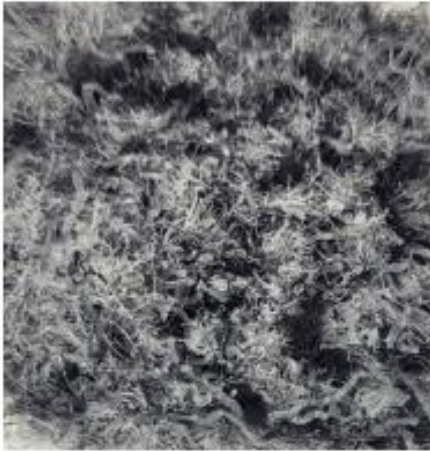


Mauve



Black Cherry

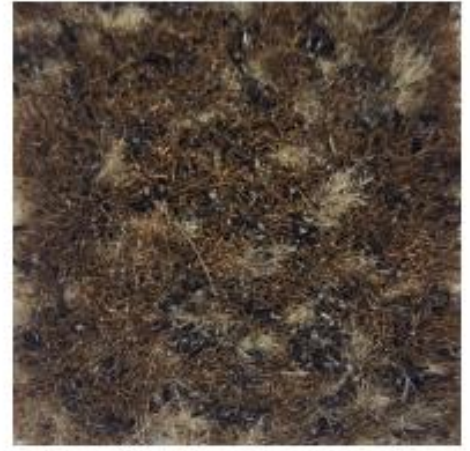
Poly-Brush Colors



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.