

# Mat Clean Tread™ Installation Instructions

**Models: KDCM, KDVM**



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## INSTALLATION INSTRUCTIONS - ALUMINUM ROLL OUT MATS AND FRAMES

The installation of roll out mats is relatively simple. However, attention to detail can make the difference between a firm, well-installed mat, or one that appears loose, spongy, and could rattle.

### **UNCRATING UNITS**

1. Check all contents of crate per packing slip:
  - Correct number of units and frames (if applicable).
  - Shop drawing.
  - Hardware package.
2. Check all merchandise for damage (*If damaged, report freight claim immediately- DO NOT REMOVE FROM CRATE until adjuster verifies*).
3. Depending on the size, the mats will be either rolled up or laid flat. If frames are included, they will be in lengths as long as 8'.

### **INSTALLATION OF FRAMES** *If no frames were provided skip to "Installation of Mats"*

The installation of the frame is a simple operation. However, care must be taken to avoid warping and/or bending of the aluminum extrusions.

#### **Option 1: Embedding frames in concrete or grout**

1. Assemble the frames: By following the markings on each frame section, fasten the frame sections together with the hardware provided (see details on enclosed drawings). The hardware will consist of corner brackets and 10-24 bolts.
2. Install 4" grouting straps into the threaded channel located on the outside of the frame (the channel located on the underside of the frame may be used also) on 2' centers. Bend the straps as need.
3. Ensure the frames are adequately blocked.
  - This will prevent the pressure of wet concrete or grouting cement from pushing in the sides of the frame.
4. Place frame into opening and shim as required, allowing for a co-planer installation between the mat and the *finished* floor surface.
5. Pour in grouting cement around edges and in center of frame to form the recess floor.
  - Be sure to keep the top of the perimeter frame free of the cement.
  - *NOTE: The recess floor must be flat and level, and the top of the frame seats must be flush with the recess floor to ensure proper installation.*
  - Before cement is set, confirm dimensions per the enclosed drawings. *NOTE: The mats are designed to fit into the frame with only a 1/16" gap between the mat and frame.*
6. After the cement has hardened, an insert (such as plywood) should be placed in the opening to protect the frame edges.

Option 2: Bolt frames to concrete floor

1. Pour slab to a depth to allow the top of the mat to be flush with the *finished* floor.
2. Bolt frames to concrete floor. Be sure to counter-sink bolts so as not to interfere with the mats laying flush on the framing.
3. Pour in grouting cement around edges and in the center in a quantity that will be sufficient to be level with the inside horizontal leg of the frame. *NOTE: The recess floor must be flat and level, and the horizontal leg of the perimeter frame must be flush with the recess floor to ensure proper installation.*

**INSTALLATION OF THE MATS (surface mounted)**

1. The mat will consist of the aluminum rails and tapered ramps on two sides.
2. Should tapered ramps occur on the left and right sides of the mat, the ramps will be mitered at the corners.
3. On the side ramps **ONLY**, drill through the ramp and into the floor, and insert the plastic anchor provided into the hole.
4. Using the screws provided, fasten the ramp to the floor.

**INSTALLATION OF THE MATS (recessed)**

1. Clean recess of all debris.
2. Lay mat into center of the recess. If the frame has been installed properly, there should be a gap around the entire mat of approximately 1/16".
3. For mats with vinyl inserts, the inserts will be slightly long and must be trimmed at the time of installation. A standard utility knife may be used to cut the inserts.

After installation, inspect the mat regularly to ensure that it fits properly, is obstruction free, and co-planer to the adjoining floor, if applicable. Refer to Kadee Maintenance Instructions included in this packet.