

# PLANK INSTALLATION AND MAINTENANCE

## OBEX™ BAR

Milliken

Watch Video

### KEYS FOR A SUCCESSFUL OBEX BAR INSTALLATION

1. Floor flatness is critical. Substrate should be within 1/16" in 6 feet (FF50 or greater) with no humps or abrupt changes.
2. Recessed or wall to wall installations, leading and trailed edges should always begin with "J" profile to protect edge and no part of the Planks, or the "J" profile should be above the finished surface that it meets.
3. Interior installation - recommend installation with Milliken Non-Reactive Standard adhesive - semi-wet installation method.
4. Exterior installation requires an acceptable exterior adhesive.
5. Heavy rolling loads exceeding 500 lbs. should use temporary reinforced panels (minimum 5/8" plywood/OSB/fiberboard) on top of the OBEX Bar to distribute the weight and reduce risk of damaging product.

### GENERAL

OBEX™ Bar is a unique patented aluminum click-in profile system, available in a 11 mm thick closed construction, which allows cleaning in place. OBEX Bars are available in two material insert options, Mono and CutX. Each OBEX Bar Plank is a pre-assembled four profile plank measuring 27.6 cm (10 7/8") x 1 m (39 3/8"). Each box of OBEX™ Bar Planks contains seven planks, or 1.93 m2 (2.3 yd2) of product. In addition to the field product, you will need transition and or edge pieces. We offer both a recessed mount kit and a surface mount kit.

### OBEX BAR PLANK

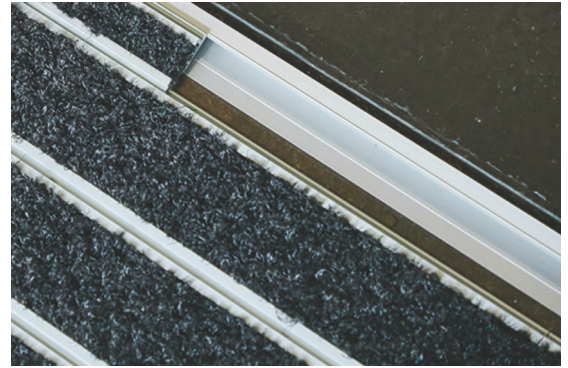


Recessed and Surface Mount Kits, REQUIRED with each install, details of each kit below:

#### SURFACE MOUNT KITS



#### RECESSED KITS



### TRANSITION KITS

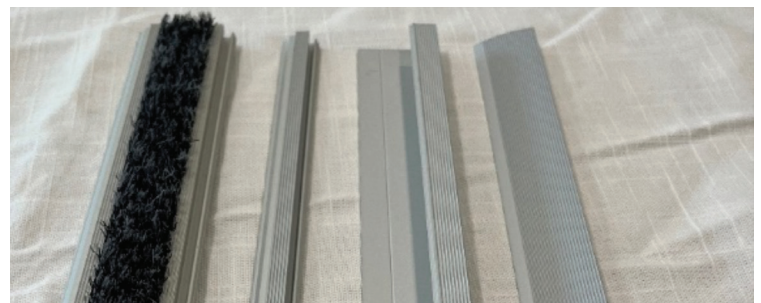
To complete a recessed/wall to wall install of OBEX Bar you will need to order a Recessed Mount Kit and Half Bar Profiles of corresponding material used for OBEX Bar Planks

#### Recessed Kit contains the following:

- |                        |                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| J profiles:            | four pieces 2m in length – used on leading and trailing edge to adjust length of install.                             |
| L profiles:            | four pieces 2m in length – optional, used on sides of install.                                                        |
| 5 mm aluminum spacers: | two pieces 2 m in length – optional, used to adjust length of install.<br>Sold separately, shipped in cardboard tube. |

#### Half Bar Kit contains the following:

- |                                   |                                                                                                         |
|-----------------------------------|---------------------------------------------------------------------------------------------------------|
| Half Bar profiles (Mono or CutX): | two pieces 2m in length – used to adjust length of install. Sold separately, shipped in cardboard tube. |
|-----------------------------------|---------------------------------------------------------------------------------------------------------|



Items in image (left to right)

1. OBEX Half Bar (used to adjust length of installation)
2. 5mm aluminum spacer (used to adjust length of installation)
3. J-profile (used at start and end of installation – required)
4. L-profile (used on side of install, optional)

To complete a surface install of OBEX Bar you will need to order a Surface Mount Kit.

Surface Mount Kit contains the following:

- Start / Finish Ramps: four pieces 2m in length – used as transition on leading and trailing edge of install.
- Side Ramps: four pieces 2m in length – used as transition on sides of install.
- Corners: six pieces – used to connect Start/Finish and Side Ramps to each other
- Connectors: six pieces – used to 2m sections of Start/Finish or Side Ramps together
- Allen Wrench: used on corners and connectors.  
Sold separately, shipped in cardboard tube.



Items in image (left to right)  
1. Side ramp  
2. Start / Finish Ramp (female connector)  
3. Start / Finish Ramp (male connector)  
4. Corner piece (connects ramps)  
5. Ramp connector (joins ramps)

SUBFLOOR PREPARATION

Ensure subfloor is level, clean and free of contaminants. If greasy, clean with degreaser and prime. Use levelling compounds if necessary. It may also be necessary to screed up the recess, when depth is more the 11 mm. Subfloor flatness is critical requiring 1/16” in 6’.

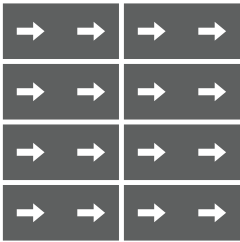
INSTALLATION

OBEX Bar Planks are extremely easy to install on site thanks to its click-in profile system. Simple tools such as an electric handsaw, and/or miter saw with fine tooth metal saw blade. The OBEX Bar requires the purchase of Recessed Kit and Half Profile for recessed installations and the Surface Mount Kit for surface mounted installs.

INSTALLATION OPTIONS  
(RECESSED OR SURFACE MOUNT)

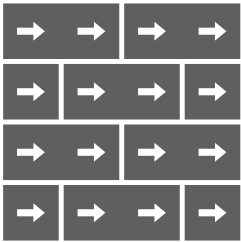
If installation width is less than or equal to 1 meter, Milliken recommends a monolithic installation. Areas greater than one meter wide, would require an ashlar method. Use cut edges along the exterior and can be covered with the “L” profile (optional).

Monolithic Bar Panels



Ashlar Bar Panels

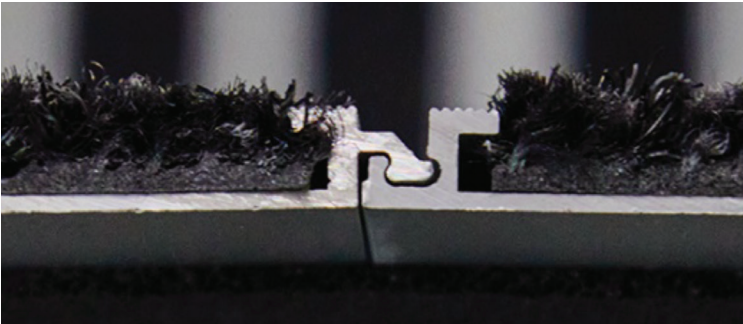
Must overlap 1/2 panel length



MATERIALS

OBEX Bar Planks are shipped in boxes containing seven planks, each one meter in length. Surface Mount Kits, Recessed Kits, and Half Bar Profiles are shipped in a cardboard tubes (2 meters in length). Kit components can be cut to the specified length and lengths greater than two meters will require utilization of multiple components. Remove all materials and prepare surface for installation.

OBEX Bar Planks are extremely easy to install on site thanks to the patented aluminum click-in system, which secured the planks together. Planks have a standard 2 mm high density polyethylene foam backing to reduce noise and allow gluing to subfloor. subfloor levelness is a key to successful installation.



## TOOLS *(required to complete installation)*

- Marker
- Safety Glasses
- Electric saw or Miter saw
- Gloves
- Measure Tape
- Utility Knife
- with metal cutting blade.

## SUB FLOOR PREPARATION

Ensure subfloor is level, clean and free of contaminants. If greasy, clean with degreaser and prime. Use leveling compounds if necessary. Apply screed for recesses deeper than 11 mm. Subfloor flatness is critical, requiring 1/16" in six feet.

OBEX Bar Planks can be free-laid or secured by adhesive. Areas that experience significant rolling loads and substrates that have not been corrected by self-leveling compounds, Milliken recommends use of Milliken's Non-Reactive Standard adhesive for interior installs. Exterior installations require an adhesive approved for such applications. Adhesives should be applied by roller nap or trowel to achieve targeted spread rate. OBEX Bar

Planks should be installed into adhesive in a "semi-wet" phase (adhesive has some tack but still provides transfer to the backing of the planks). Occasionally check the back of the plank to verify transfer. If at any point during the installation the adhesive flashes off and transfer is not achieved, simply apply additional adhesive by methods mentioned above to those areas.

Milliken Non-Reactive Standard Adhesive: Installed in extreme environments which will routinely experience rolling loads a heavier full spread of adhesive is required. Target coverage for this end use is 180 to 225 sq. ft./gallon (5 to 6 sq. m./liter) for the Milliken Non-Reactive Standard product. Exterior installations must use an adhesive approved for exterior applications.

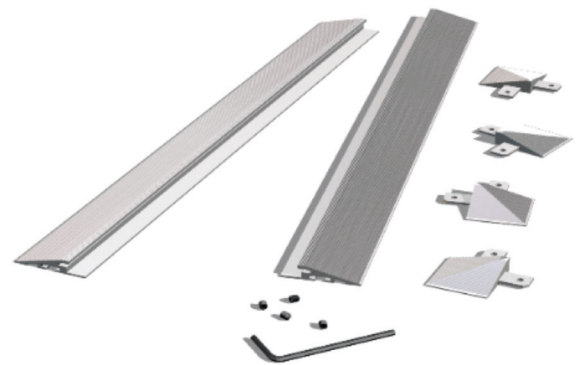
## INSTALLATION OPTIONS: RECESSED / WALL TO WALL OR SURFACE MOUNT

### Recessed / Wall to Wall Installation

Start the first plank at the exterior entrance using a J-profile to create a closed edge. Adhere the J-profile to the sub floor with a mastic contact adhesive or mechanical fastener. Cut planks as needed to fit the entryway opening and complete the first row. To start the next row, simply click the next plank into the long edge of the installed plank, remember to off-set planks in an ashlar method. Continue to fill the space repeating this method. After the final full row is installed, measure the remaining distance to the existing floor. Plank profiles can be deconstructed as necessary to fill the remaining installation area by scoring the foam backing. Use the Half-Bar pieces and 5 mm aluminum spacer with a full or deconstructed plank to achieve the final distance to the existing floor. Using these pieces together will allow the installer to adjust the length without the need to cut/rip a plank or profile. Place the J-profile against the existing flooring and adhere the J-profile to the sub-floor as you did at the start of the installation. Click the final OBEX profile piece and half-bar and or spacer into the last row of planks, while sliding them into the J-profile. The Recessed Kit also contains a L profile piece which can be utilized on the sides of the install to create a cover over all four sides. Use of the L profile is optional and more of a customer preference. Please note, if external recessed areas have built in drains the OBEX panels may impede / slow drainage as the panel may cover the drain.

### Surface Mount Installation

The Surface Mount Kit contains all aluminum edging required to complete a square or rectangular surface install. Surface mounted edge kit installs have the option of being free-laid or secured. Two options for securing your installation are adhesive or mechanical fastener lagged into concrete. Begin the install at the entry point of the building or entry and build outwards using the click-in profile of the planks. Cut the end planks to align along the edge of the installation. Leave manual cuts on the ends of the installation and use factory cuts for plank joints. Planks may be disassembled by scoring along the foam backing to adjust the installation to the desired length. Begin assembling the edge transitions by attaching the Start/Finish ramps to final row of planks. Attach corner edging to the ends of the installation with supplied Allen wrench, set screws, and connectors to connect ramps. Connect the side ramp to the corner piece and slide into place along the side of the installation.



## ADDITIONAL NOTES

- It is very important to make an accurate estimate. Sometimes the installation can need more time than the calculated.
- When you install staggered planks, leave the manual cut to the edge of the install. Place factory cuts towards each other to form joints.
- Surface installs have the option of free-lay or affixed to the floor, glued or screws can be used.
  - Floor substrate will dictate type of screws to be used.
  - Screws are placed on the edge just in from the transition strip.
  - Screws are placed 1 every 3' to 4' linear feet as needed.

## MAINTENANCE

OBEX Bar feature a unique textile with and open construction for easy dirt release when cleaning. The closed structure of the profile system allows cleaning on site without having to move or lift the product. Standard maintenance protocol is daily vacuuming and hot water extraction for deep cleaning.

