



Tile Deck Installation Guidelines

*The following information is the installation guidelines Mbrico recommends when installing the Mbrico Tile Deck system. Installation guidelines are the steps Mbrico recommends to insure a successful application. Ultimately, the purchaser and the onsite installer are responsible for ensuring proper installation.

**Mbrico recommends that consumers contact a qualified carpentry crew in their area prior to placing an order to ensure all measurements, order quantities and installation is done accurately. Mbrico is a tile decking product manufacturer and tile distributor. All installations are done by a third-party tile setter of the consumer's choice.

Preface:

Verify that your deck framing and structure has been framed properly. The frame of your deck, including footings, lumber, grade, quality and attachment to any structure should meet or exceed any local or national codes. All fasteners, hangers and tie-downs should be in place, fastened properly and be compatible with other products as well as any applicable codes and manufacturers specifications. The deck should be flashed properly to the structure using long-term products, as your Mbrico deck will outlast other conventional surface products. It is important that your substructure last as long if possible.

Follow the layout that was used to order your Mbrico deck surface materials if possible. Your layout will minimize the cuts and partial tile locations to less obvious areas of the decks just as you would with plastic or wood deck surface materials. In some respects, layout of your new deck is like laying interior tile. You will plan for stairways, angle areas and partial rows. Also, you will plan for the fastening of your handrails and the size of the corresponding finished edge material you may use. This again, is like building a deck surface using conventional surface products. The Mbrico deck should be planned and installed with greater care as it will outlast other deck products and have no maintenance requirements other than an occasional bath.

The Mbrico deck surface application will add **1 5/8"** to the top of the framing height. You will want to set the height of your deck accordingly. The Mbrico deck also adds a total weight of 10.5 pounds per square foot to your existing deck.

Great care has been taken to provide a relatively easy surface system to install. This product was specifically designed for the quality carpentry crew to install, will offer our clients years of maintenance free enjoyment and saves the refinishing and replacement costs all other deck surfaces require. The Mbrico deck system was created to satisfy the discriminating client who was not satisfied with conventional plastic or wood options that were available in the past. The textures and finishes offered by Mbrico fit the needs of any quality home or project.

Mbrico Tile Deck system was designed and developed with 2 specific purposes in mind thru the entire process:

- Offer the client the best possible, livable deck system that eliminates maintenance and increases the value of their home long term.
- Design a complete deck surface system that offers simplicity in design and therefore simplicity in installation. A system that the installer would find intuitive.

Mbrico Tile Decks has achieved this. Compare and note the following subtle features that are all purposely designed to benefit the installer and therefore the client:

- 4-meter aluminum tracks purposely made as long as possible to provide the installer an integral straight edge while placing tiles across the deck surface. A straight edge at each row allowing a quick and efficient install.
- Integral spacing for the tile surface. As part of the aluminum track a 1/8" tile spacer is designed into the track. As part of each tile, end bumpers of 1/16" that are part of the tile substrate end, making a 1/8" even margin around each tile.
- Grout free construction; no tile setter needed, no grout to be stained by birds and trees, no maintenance and grout cleaning, subtle movement of framing with no cracking of grout, water drainage opening like wood and plastic decks, saves installer time. No callbacks for the installers.
- Tape protective wrap provided to minimize metal corrosion on hangers and track system. To offer a greater warranty on the entire deck project by the installer. Mbrico is a long-term deck product. Fewer callbacks and happier clients. Other surface products have no need to consider long term protective considerations.
- Stainless steel track screws provided to fasten track and lath to joist. Lath can be tacked into place and stainless screw provides final fastening to accelerate installation. The stainless screws screw thru the aluminum track, the lath and into the joist for a secure system.
- Field slotting cutter available for your router to quickly re groove your field cut tile to receive the track as you complete a row or angled piece.
- Simple to install stair system ready to install

- The system design includes added lath by the installer to receive the aluminum track and to incorporate rigidity into the framing which will minimize movement of the framing.
- "T" molding design in aluminum track to capture the tile to prevent wind lift and movement.
- Track design and pre-applied tile substrate eliminates the need for the installer to thinset, mortar or grout anywhere within the system. Perfect for quality carpentry crews.
- The benefits of this surface are apparent, tested, and proven. In the hands of a qualified installer, a deck surface that will make the client proud, the installer proud, and the Builder or Deck company proud.

This system was not rushed to market as so much is in today's world. This system has been well planned, well tested, and well received by all who have installed.

Step 1: Verify the standard code deck frame is at least **1 5/8** inches below adjoining doorway thresholds or other clearance obstructions.



Step 2: Make sure the deck frame is square and relatively level. Any individual joists or framing surfaces that are crowned upward need to be planed down to level of the entire deck framing height.



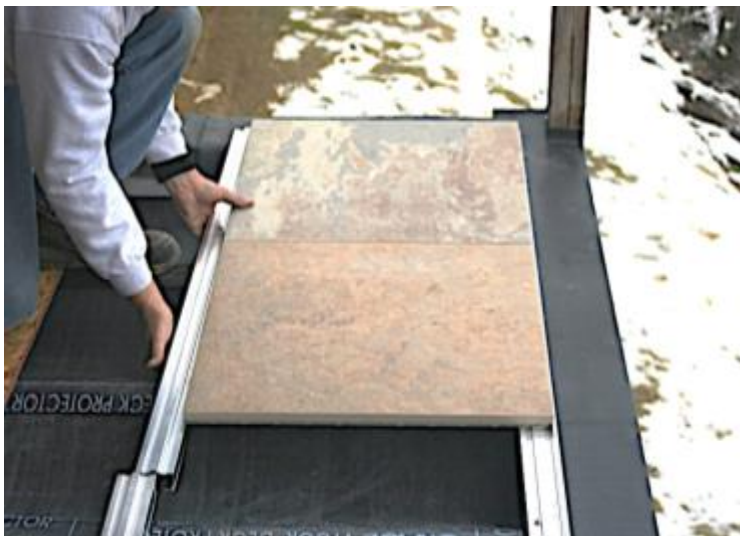
Step 4: After the deck framing is leveled, place the protective tape provided with your order, at all points where the aluminum track will contact your deck joists. Make sure the adhesive side of the tape is evenly and securely applied with no wrinkles against the joist.



Step 5: Place a single sided rail per your layout at your designated starting edge. Once you have positioned the track piece, pre-drill a hole using a 3/16" drill bit at all points where the rail will intersect the deck joists. Secure track to joist using stainless screws provided. Snug securely, do not over tighten causing track to warp. Make sure the track stays square to your deck.



Step 6: Using a single tile as a spacer, place the tile groove over the male spline on your starting track. Place several tiles along the length of your track piece, these will serve as a guide for your next 2-sided track.



Step 7: Lift the tile sliding the next track into place sideways. Align your pre-drilled holes to your deck joist. Install 1 screw at each joist securely but not over tightened.



Step 8: Move any of your spacer tiles as necessary to place screws. Install all tiles in that row before starting on next. A rubber mallet may be used for sliding the track into the machined groove in the tile. Always check for square and parallel to structure and finish row.



Step 9: Repeat steps 1-8 until last row then using a single sided track at edge slide final row of tiles in from end.



There is a satisfaction when you have completed your Mbrico tile deck. This is a surface that does not deplete our forests and is not made from plastics. This is also a surface that will be free of splinters, molds, drooping in hot conditions, refinishing, fire hazards, replacement, fading and all the old deck problems. Over time this surface will save costs and has much greater selections of color and finish options.

Enjoy.