

Installation Manual

Advantage Surface Applied

Inline Dome Detectable/Tactile Warning Surface Tile

- A. During all surface preparation and Surface Applied Detectable/Tactile Warning Surface Tile installation procedures, ensure adequate safety guidelines are in place and that they are in accordance with the applicable industry and government standards.
- B. The application of all tiles, adhesives, mechanical fasteners, and caulking shall be in strict accordance with the guidelines set by their respective manufacturers. Not recommended for asphalt applications.
- C. Coordinate with the Contractor or Engineer to ensure that the surfaces being prepared and fabricated to receive the tiles are constructed correctly and adequately for tile installation. Review manufacturer and contract drawings with the Contractor prior to the construction and refer any and all discrepancies to the Engineer.
- D. Set the tile true and square to the curb ramp area as detailed in the design drawings, so that its location can be marked / traced on the concrete surface. A thin permanent marker works well. Remove tile when done marking its location.
- E. Using a continuous rim diamond blade [for concrete] mounted on a grinder carefully cut vertically into the concrete following the outline of the tile to a depth of approximately 1/8" to 3/16" depth around the perimeter. This process is to reduce the risk of broken edges along the exposed finished concrete surface. **DO NOT OVERCUT THE CORNERS.**
- F. Using a continuous rim diamond blade in a circular saw or hand grinder cut vertically into the concrete to create a groove inside 1/4" wide and 3/4" deep inside of the tile perimeter tracing to accept the return flanges at the perimeter of the tile.
- G. Dry fit the tile to ensure the tile sits properly in the grooved area. If necessary using the procedure in "F" ensure the edges of the tile fit flush with the adjacent concrete surfaces.
- H. The concrete surface to receive the Surface Applied Detectable/Tactile Warning Surface Tile is to be mechanically cleaned with a diamond cup grinder or shot blaster to remove any dirt or foreign material. This cleaning and roughening of the concrete surface should include the entire area to receive the tile. The concrete and tile should then be cleaned with a clean rag soaked in Acetone.
- I. Use Armor-Bond adhesive on the backside of the tile. Place a bead of Armor-Bond on the underside around the perimeter of the tile and between domes along the longest dimension of the domes. The contents of 2 tubes should be used for every 2x4 tile. Place tile on prepared surface.
- J. With the tile in place, stand on the tile, and using a 1/4" drill bit drill through tile into the substraight to a depth of 3". Remove the tile and vacuum or blow the dust from the holes. Install the anchors and place the tile. While standing on tile install the stainless fasteners carefully, **DO NOT OVERTIGHTEN THE FASTENERS.**
- K. Following the installation of the fasteners, the concrete dust should be vacuumed, brushed or blown away from the tile's surface and adjacent concrete. Using Acetone on a rag, wipe the concrete around the tile's perimeter to ensure a clean, dry surface to receive perimeter sealant.
- L. Armor-Seal perimeter caulking sealant should be applied following the sealant manufacturer's recommendations. Tape all perimeter edges of the tile back 1/16" from the tile's perimeter edge and tape the adjacent concrete back 1/2" from the tile's perimeter edge to maintain a straight and even caulking line. Apply sealant around tile perimeter using care to work sealant into any void between the tile and concrete interface. Tool the perimeter caulking with a rounded plastic applicator or spatula to create a cove profile between the tile and adjacent concrete. Remove tape immediately after tooling perimeter caulking sealant.

M. Do not allow foot traffic on installed tiles until the perimeter caulking sealant has cured sufficiently to avoid tracking. Curing time is weather dependant (average cure time at 75° F is 30 minutes). Adhesive or caulking on the surface of the Advantage Tile can be removed with Acetone.