

# **Installation Manual Armor-Tile Directional Detectable Warning Surface Bar Tile**

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<https://armor-tile.com/>

# Installation Manual

## Armor-Tile Directional Detectable Warning Surface Bar Tile

- A. During all surface preparation and 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 adhesives, sealants and mechanical fasteners shall be in strict accordance with the guidelines set by their respective manufacturers.
- C. Throughout the installation phases of surface preparation and tile setting, ensure that care is taken to prevent damage to any work.
- D. Lay out area to receive tile and mark with an indelible felt pen a reference grid for the tile to be laid.
- E. Set the diamond-head groover/planer to the appropriate depth of 3/16 x 6" wide with the grooving blades set to a 3/4" depth to achieve the necessary recess in the area to receive the Detectable Directional Bar Tile.
- F. After grooving/planing has been completed, the surface is to be vacuumed and power washed with clean clear water, free from all dirt and debris. Visually inspect all surfaces for obtrusions or foreign matter. If obtrusions are present, promptly grind away.
- G. Immediately prior to installing the surface applied Detectable Directional Bar tiles, all surfaces must be inspected to ensure that they are clean, dry, free of voids, curing compounds, projections, loose material, dust, oils, grease, sealers and determined to be structurally sound before the application of the setting adhesive. The setting adhesive requires that the substrate and the ambient temperature are 40 degrees F minimum.
- H. Apply the adhesive to provide a sound resonating affect after the Detectable Directional Bar Tile is installed. All perimeter edges of the tile shall receive a minimum of a 1" perimeter bond of adhesive.
- I. Inspect the tile and clean with acetone all dust and other contaminants from the surfaces to be adhered, then set the tile in place, true and square. Drill holes true and straight to the depth required using the recommended bit with holes located by the molded recesses provided in the tile. Clean dust from the holes with acetone to provide clear passage for the anchor and eventually the concealed cap.
- J. Mechanically fasten tiles to the floor surface using a punch pin and hammer to set the stainless steel impact anchors provided. Ensure the fastener has been set to full depth, straight and true, leaving sufficient clearance between the top of fastener and top of dome to not interfere with the concealed cap. Care should be taken when setting the fastener to avoid any inadvertent blows with the hammer to the tile surface.
- K. All subsequent tiles are set following the same procedures as outlined in H, I, J and K. The gap of 3/16" allowed between tiles for expansion and contraction is mandatory.
- L. Following the installation of the tiles, the urethane sealant system color matched to the adjacent floor finish should be applied to the joint between abutting tiles and between tiles and adjacent surface. Follow the manufacturer's recommendations when mixing or applying the sealant system and ensure that the joint is clean and free of debris, and any excess adhesive is cut away to provide sufficient depth for the sealant in the saw cut in accordance with the contract drawings.

After the area has been fully tiled and sealant system applied, the tile surface shall be cleaned, following the recommended maintenance and cleaning procedures.

