

## Premier Cast Iron Plates Installation Instructions

1. During all surface preparation and installation procedures, ensure adequate safety guidelines are in place and that they are in accordance with the applicable industry and government standards.
2. The specifications and related materials shall be in strict accordance with the contract documents and the guidelines set by their respective manufacturers. Not recommended for asphalt applications.
3. Coordinate with the Contractor or Engineer to ensure that the surfaces being prepared and fabricated to receive the plates are constructed correctly and adequately for plate installation. Review manufacturer and contract drawings with the Contractor prior to the construction and refer any and all discrepancies to the Engineer.
4. The physical characteristics of the concrete shall be consistent with the contract specifications while maintaining a slump range of 3-4 to permit solid placement of the Cast Iron TWSI Plates.
5. When preparing to set the plate, ensure that the area to receive the plates has been finished to its final elevation. The concrete shall be poured and finished true and smooth to the required dimensions and slope prior to the plate placement.
6. Lift the TWSI plate and gently place into position onto the wet concrete. The plate shall be placed true and square to the curb edge in accordance with the contract drawings. Press into the concrete. The Cast Iron TWSI Plates shall be tamped or vibrated into the fresh concrete to ensure that the field level of the plate is flush to the adjacent concrete surface.
7. Immediately after placement, the plate elevation is to be checked to adjacent concrete, and the concrete around the perimeter of the tile should be finished. The elevation and slope should be set consistent with contract drawings to permit water drainage to curb as the design dictates. Ensure that the field surface of the plate is flush with the surrounding concrete and back of curb so that no ponding is possible on the plate at the back side of curb, and to eliminate tripping hazards between adjacent finishes.
8. While concrete is workable, create a 6mm concrete-free recess around the perimeter of the plate. Use a 9mm radius edging tool to create a finished edge of concrete, then a steel trowel shall be used to finish the concrete around the plate's perimeter, flush to the field level of the plate.
9. Clean the surface of the tile of any concrete.
10. During and after the TWSI Plate installation and the concrete curing stage, it is imperative that there is no walking, leaning or external force placed on the plate that may rock the plate causing a void between the underside of TWSI Plate and concrete.
11. Following TWSI Plate placement, review installation tolerances to contract drawings and adjust plate before the concrete sets.
12. Following the concrete curing stage, a soft brass wire brush will clean the residue without damage to the plate surface.