



GUIDELINES FOR PRECAST CONCRETE AND TERRAZZO TREAD INSTALLATION

1. SUBSTRATE INSPECTION

- a. Surface inspection for cracking and defects.
- b. Dimension verification of architectural, shop drawings, and substrate.
- c. Any corrections to substrate are to be completed before installation.

2. PRECAST TREAD LAYOUT

- a. Finish heights at all floors and landings to be established
- b. Divide number of risers into the floor to landing height and determine the exact riser height.
- c. Establish exact tread width.
- d. Layout and mark all finished nosing locations on walls or stringers of stairway.
- e. Check precast tread dimensions before setting.

3. INSTALLATION OF PRECAST TREADS - THINSET APPLICATION

- a. Substrate of concrete or steel (steel at interior application only) must be within a tolerance of 1/8" in all dimensions.
- b. Steel or concrete surface to receive precast is to be primed with a concrete bonding agent.
- c. Latex modified thinset mortar is used in a full bed method over concrete substrate. Epoxy thinset is used over steel substrate.
- d. Set treads level and plumb to meet finished nosing layout marks.

4. INSTALLATION OF PRECAST TREAD - MORTAR SET APPLICATION

- a. Steel or concrete surface to receive precast is to be primed with a concrete bonding agent.
- b. The height of the mortar bed is established based on tread nosing lay-out marks. The mortar bed is then placed or screeded over primed substrate.
- c. Treads to be placed level and plumb to established nosing layout marks.

5. INSTALLATION OF PRECAST CONCRETE TREAD - TAB SET APPLICATION

- a. Substrate of concrete or steel (steel at interior application only) must be within a tolerance of 1/8" in all dimensions.
- b. Tabs to be set at front and back of tread every 18" to 24" maximum.
- c. Set treads level and plumb to established nosing layout marks.
- d. Shimming may be required if substructure is not true.

6. CAULKING OF PRECAST TREADS

- a. Clean all joints thoroughly, removing all debris.
- b. Wipe all joints with caulk manufacturer's recommended cleaner prior to application.
- c. Use a urethane caulk. (Color match caulk to precast per Architect selection.)
- d. Clean up after caulking as per caulk manufacturer's recommendation.

7. FINAL CLEANING AND SEALING OF PRECAST TREADS

- a. Clean treads with a pH balanced soap.
- b. Check all surfaces and caulking, make repairs as necessary.
- c. Apply a coat of concrete sealer as per manufacturers recommendations. (Precast must be completely clean and dry before sealer is applied)