



Trench Work



Many renovation and tenant improvement projects require Trench Work.

Think water, sewage, drainage, electrical, or IT cable lines.

Challenge : Are you going to wait for the new concrete to dry properly before installing (or replacing) the flooring system?

If you are the Owner or GC with a very tight schedule to re-open the facility on time, you may have no choice. **Roll the dice** ... and insist the flooring be installed on wet, highly alkaline green concrete.

If you are the Flooring Contractor, you may also have no choice. **Walk Away** from the job ... because you know you would be held responsible for the adhesive or epoxy coating failing due to high alkalinity and moisture.

AC•TECH 2170™FC supports FAST and WARRANTABLE Adhesive & Coating Application over Green Concrete.



Bonds to Green Concrete.



4-Hour Cure Time.



100% Security Against Alkalinity and Moisture.

ASTM C 1315 Curing Compound



Durable Bond to Green Concrete

ASTM F3010-13 • @ 12 mils



Independent ASTM E96 Testing



Trench Work

Basic Protocol

1 – Place and finish concrete infill as per project specification. Do not introduce silicate additives into concrete mix design.

2 – Proceed with your normal curing compound or curing blanket procedure on the trenched areas (do not use topical silicates for fear of introducing bond-breaking salts into the trenched concrete and surrounding work areas).

3 – Initial concrete cure will require 1-3 days depending on ambient temperature, humidity, and concrete fill used.

4 – Mark-off a transition area of 6-8 inches on each side of trenched area (into the old floor section). Grind-off all old coatings and adhesives as necessary to provide a clean surface.

5 – Brush Blast the trench and 6-8 inch transition areas with a shotblaster to achieve a CSP 3-4 surface profile. Generally a No. 280 shot will do the trick on 1-3 day old concrete. Shot size may vary depending on the hardness of the concrete, so monitor your results and adjust accordingly in order to make a smooth transition between the new and

old concrete sections. Use hand grinder on inaccessible corners and edges.

6 – Remove all fugitive shot, dust and debris to create a clean concrete surface ready to accept the epoxy coating. (Clean surfaces generate superior application results!).

7 – Apply AC•Tech 2170™FC (Fast Cure) at a minimum of 16 mils / 100 sq. ft. per gallon. Ensure all high points on the concrete surface are evenly covered and backrolled. Follow all AC•Tech application instructions, product data sheets, and SDS documentation for proper mixing, application, and safety procedures.

8 – Allow 4 hours for the epoxy coating to cure (depending on ambient temperatures and humidity levels).

9 – At 4 hours cure time, the AC•Tech 2170™FC can accept light foot traffic and is ready to receive final flooring installation. If the renovation project has been scheduled to include heavy construction activities after the concrete trenches are coated, a 48 hour cure time will provide the Shore D82 hard coat protection your slab requires until flooring installation commences at a later time.

Note : The AC•Tech 2170™FC coating accepts the direct application of flooring adhesives approved for non-porous substrates.



7/365 Technical Support for your project.
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