

Concrete Testing

GeoTesting Express, LLC (GTX), is equipped to perform testing on all types of concrete products including Portland cement concrete and flowable fill.

GTX is [validated by the U.S. Army Corps of Engineers and accredited by the American Association of State Highway and Transportation Officials \(AASHTO\) Accreditation Program](#) to perform laboratory testing of concrete.

We are experienced with both field and laboratory testing of these products.

Capabilities of GeoTesting Express' Concrete Testing

GeoTesting Express can provide on-site sampling and testing of fresh concrete. In addition, we can cure concrete test cylinders and provide unconfined compression strength testing in the laboratory. Our technicians are also American Concrete Institute (ACI) certified.

- ASTM C1077 Standard Practice for Agencies Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Testing Agency Evaluation, and
- ASTM E329 Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection.

Typical Concrete Tests Performed	Test Method
Specific Gravity, Absorption and Voids in Hardened Concrete	ASTM C642 / AASHTO T 26
Compressive Strength of Concrete Cylinders	ASTM C39 / AASHTO T 22
Compressive Strength of Concrete Core	ASTM C42
Preparation and Testing of Controlled Low Strength Material Test Cylinders Indirect Tension Test for Resilient Modulus	ASTM D4832
Air Content of Fresh Concrete (Pressure and Volumetric methods)	ASTM C231 / AASHTO T 152 ASTM C173 / AASHTO T 196
Ball Drop on Controlled Low Strength Material	ASTM P31
Air Permeability for Controlled Low Strength Material	ASTM D4525
Sampling Fresh Concrete	ASTM C172
Making Concrete Specimens	ASTM C31 / AASHTO T 23
Making and Curing Concrete Test Specimens in the Lab	ASTM C192
Slump of Fresh Concrete	ASTM C143 / AASHTO T 119
Temperature of Fresh Concrete	ASTM C1064 / AASHTO T 309



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