

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 |
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| 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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