

Ready Mix Concrete Consulting and Material Science Services

CTLGroup provides the ready mixed concrete industry with much more than just standard testing services. Our expertise includes developing specialized concrete mixture proportions to meet challenging placement requirements or modern performance specifications (e.g., UHPC). We help improve overall concrete production quality, plant performance and environmental compliance, and we can assist with on-site plant set up and qualifications.

Additionally, CTLGroup experts optimize proportions to help clients gain a competitive edge, meet performance based specifications and determine difficult mixture interactions in the field. We tackle a diverse set of challenges for our cement clients, including:

Products & Services

- Materials testing and new product development
- Education and training
- On-site batch plant configuration and troubleshooting, quality control evaluations, and equipment performance inspections
- Mixture proportion consulting and optimization
- Admixture and cementitious material interaction testing and fly ash troubleshooting

Common Material Tests Performed

- ASTM C311 — Sampling and Testing Fly Ash for use in Concrete
- ASTM C1202 — Rapid Chloride Ion Penetration (RCP)
- ASTM C1556 — Apparent Diffusion Coefficient
- ASTM C1585 — Water Absorption and Desorption
- ASTM C1567 — Determining the Potential ASR of Combinations of Cementitious Materials & Aggregate
- ASTM C1702 — Heat of Hydration

