

MATERIALS CONSULTING | Laboratory Testing Services



HYDRAULIC CONDUCTIVITY TESTING ASTM D5084

Laboratory testing of construction materials is the point where science intersects with quality, safety, and performance. At Terracon, our laboratory professionals combine materials expertise, sophisticated testing equipment, and a rigorous quality management system to deliver accurate, precise, timely results – and the confidence that comes with them.

Experience and Expertise

Terracon owns, operates, and maintains more than 130 construction materials and geotechnical laboratories across the U.S. Our laboratories are equipped to perform a wide variety of tests while following strict internal guidelines to deliver the most thorough and reliable data possible.

In addition to routine material property testing, we also provide advanced shear strength, swell/consolidation, petrographic, steel, wood, geosynthetics, and rock mechanics test data to meet testing needs for even the most complex structures.



TRIAXIAL SHEAR STRENGTH TESTING ASTM D4767

We continually apply new technologies to improve and expedite our services to solve your project challenges in a timely, reliable, and cost-effective manner.

Quality is the top priority of all our laboratory services. In addition to our internal Quality Management System (QMS), we maintain laboratory certification through third-party, industry-recognized accrediting agencies. Our quality commitment is rooted in our core value of safety. Our laboratory technicians are internally trained and externally certified as part of “doing things safe and right” for the benefit of our employees, clients, and communities.

Our national laboratory resources allow us to process large volumes of test specimens quickly, reducing the risk of delays to your critical project timelines. And, with a local presence, we have deep familiarity with specifications of numerous state and federal agencies.

Terracon’s multidiscipline services include geotechnical engineering and testing, allowing us to characterize your site and use that knowledge to develop our approach for the materials testing that follows, ensuring that all materials used on your project are as solid as the ground they are built on.

We perform field and laboratory testing services including:

- Soils
- Concrete
- Masonry
- Bituminous Asphalt/Materials
- Aggregates
- Structural Steel
- Other Specialties

Our independent laboratory accreditations include: AASHTO, AMRL, CCRL, COE, CMEC, A2LA, and NVLAP and our QMS has been reviewed as appropriate on projects requiring NQA-1 compliance.

WHY TERRACON?

Resourceful. Terracon laboratories are equipped to perform a variety of sophisticated tests to identify, prevent, or resolve issues. We deliver solutions on time to avoid delays, surprises, and costly mistakes down the road.

Responsive. With our national network of offices, Terracon can mobilize quickly to provide practical solutions on one or multiple projects that optimize performance, structural integrity, and public safety.

Reliable. Terracon delivers consistent, high-quality service through our proactive, collaborative approach, yielding solutions that extend service life, reduce cost of ownership, and maximize your return on investment.

"Terracon was involved from design and also provided testing services through the entire project, which included approximately 75,000 CY of structural embankment along a canal. Terracon displayed a high level of professionalism, knowledge, and promptness."

-LANE MULLENAUX, ASSISTANT SUPERINTENDENT, PCL CONSTRUCTION, INC.



Services available
in all **50** states



Offices Nationwide

ENR Rankings | 2017



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Environmental



Facilities



Geotechnical



Materials