COUNTY™
READY MIX CORPORATION

countyreadymixcorp.com

Quality Control Testing Lab

Specializing in Aggregates, Concrete, & Construction Materials

County Ready Mix's testing laboratory specializes in comprehensive sampling and testing for aggregates, concrete, and related construction materials. We provide in-house lab and field-testing services for municipal, commercial, and industrial customers and project applications of all sizes.

Scope of Services

Aggregates

- Particle size analysis
- Specific gravity
- Hygroscopic moisture
- Angularity
- Hardness
- Unit weight
- Absorption

Concrete (Flatwork, Pipe, and CMUs)

- Mix design & verification
- Comprehensive & flexural strength
- Concrete core samples & testing

Cement and Grouts

Masonry Units

Qualifications & Certifications

Our testing lab is accredited or certified by:

- The American Association of State Highway and Transportation Officials (AASHTO) AMRL Proficiency Testing, the primary accreditation body for construction material testing in the United States.
- Cement and Concrete Reference Laboratory (CCRL), an agency committed to the improvement of quality testing in the construction materials industry through laboratory assessments, proficiency samples, instruction, guidance, and clarification of ASTM standards.

Our Quality Control Team has decades of experience and participates in several qualification programs:

- American Concrete Institute
- Illinois Department of Transportation
- Iowa Department of Transportation
- Minnesota Department of Transportation
- National Precast Concrete Association
- Precast/Prestressed Concrete Institute
- Wisconsin Department of Transportation
- Wisconsin Ready Mixed Concrete Association

Responsiveness

Providing exceptional customer service is our top priority. Our Quality Control Technicians follow rigorous quality assurance policies and procedures to ensure the integrity of the scientific data on which decisions are based. They utilize various tests to characterize the materials and site conditions and provide prompt recommendations.

Our mobile laboratories perform field and laboratory testing on aggregates and concrete at the project site or material source to provide test results expeditiously. Our field and laboratory reports are computer generated, and reporting formats include the information required by specific test standards. Reports are concise, reference specified requirements, and address the compliance of construction methods or materials.

ASTM Testing Capabilities

All testing is performed in accordance with ASTM, AASHTO, ACI and DOT guidelines or design specification requirements.

Aggregates

ASTM C29	Test method for bulk density and voids in aggregate
ASTM C40	Test method for organic impurities in fine aggregate
ASTM C87	Test method for effect of organic impurities in fine aggregate on mortar
ASTM C88	Test method for soundness of aggregate by sodium sulfate or magnesium
ASTM C117	Materials finer by No. 200 sieve in aggregates by washing
ASTM C127/128	Density and absorption of coarse/fine aggregate
ASTM C131	Resistance to degradation of small size coarse aggregate by abrasion and impact in L.A. machine
ASTM C136	Sieve analysis of fine and coarse aggregates
ASTM C142	Clay lumps and friable particles in aggregates
ASTM C1252	Uncompacted void content of fine aggregates

Concrete (Pipe & CMUs)

ASTM C31	Curing concrete test specimens in field
ASTM C39	Compressive strength of cylindrical concrete test specimens
ASTM C138	Density, yield, and air content of concrete
ASTM C143	Slump of hydraulic cement concrete
ASTM C173	Air content of freshly mixed concrete by volumetric method
ASTM C231	Air content of freshly mixed concrete by pressure method
ASTM C403	Time of setting of concrete mixtures by penetration resistance
ASTM C642	Density, absorption, and voids in hardened concrete
ASTM C672	Scaling resistance of concrete surfaces exposed to deicing chemical
ASTM C1074	Estimating strength at concrete by maturity method
ASTM C1231	Compressive strength of hardened concrete cylinders
ASTM C1611	Slump flow of SCC concrete
ASTM C1621	Passing ability of SCC by J-Ring
ASTM C1688	Density and void content of pervious concrete

Cement & Grouts

ASTM C109	Compressive strength of hydraulic cement mortars
ASTM C185	Air content of hydraulic cement mortar
ASTM C187	Normal consistency of hydraulic cement
ASTM C191	Time of setting of hydraulic cement by Vicat needle
ASTM C266	Time of setting of hydraulic cement paste by Gillmore needles
ASTM C430	Fineness of hydraulic cement by No. 325 sieve
ASTM C1019	Test methods for sampling and testing grout
ASTM C1437	Flow of hydraulic cement mortar

Masonry Units

ASTM C90	Loadbearing concrete masonry units
ASTM C140	Sampling and testing concrete masonry units
ASTM C936	Solid concrete interlocking paving units
ASTM C1372	Dry cast segmental retaining wall units
ASTM C1403	Test method for rate of water absorption of masonry mortars

Cast Stone Units

ASTM C1194	Compressive strength of architectural cast stone
ASTM C1195	Absorption of architectural cast stone
ASTM C1364	Architectural cast stone

Agricultural Concrete

Specially Designed Concrete Mixes for Rugged Applications

Concrete Stamping Tools & Supplies Rental Program

Stamp Patterns and Accessories Available to Concrete Professionals

Colored & Stamped Concrete

Decorative Solutions for Residential Applications and Beyond

FIBERMESH® Micro-Reinforcement

Meet Exacting Specifications

Flowable Fill

Backfill, Structural Fill, and Other Uses

Lightweight Concrete

Cost Advantages for Engineered Applications

Self-Consolidating Concrete

High-Performance Concrete for Constricted Spaces

Telebelt® Material Conveyor

Simplify Large-Scale Projects and Job Site Challenges

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Contact Us or Schedule a Laboratory Tour

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