



MINING SERVICES

CAPABILITY STATEMENT

RESPONSIVE TESTING

CUSTOM TECHNICAL SOLUTIONS



MINING MATERIALS | FIELD & LAB SUPPORT | ADVANCED TECHNICAL SOLUTIONS

WHY THURSTON LABORATORIES

40+ years serving the mining industry. Rapid response, flexible scheduling, and custom testing for difficult or non-standard materials. Practical technical reporting, responsive communication and on-site sampling support. We adapt testing programs to project requirements and help clients address time-sensitive technical questions.

ADVANCED TECHNICAL SOLUTIONS

COMPUTATIONAL MODELING

Numerical and computational approaches to investigate material behavior, evaluate operating conditions and inform solutions across mining materials and processes.

MATERIAL FLOW & CONVEYANCE

Evaluation of material movement, flow behavior and conveyance challenges for varied materials and applications, including pastefill, CRF, and aggregate materials.

CUSTOMIZED PROBLEM-SOLVING

Non-standard test methods, project-specific programs, troubleshooting and technical evaluation when routine testing does not answer the question.

MINING MATERIALS & TESTING

Cemented rock fill (CRF): trial batches, mix design and strength evaluation.

Shotcrete: thickness verification, panel coring, and compressive strength testing.

RDP: Round Determinate Panel, shotcrete flexural toughness (ASTM 1550).

Geotechnical: rock, aggregate and soil testing; rock durability, rockfill and density testing programs; characterization and construction materials support.

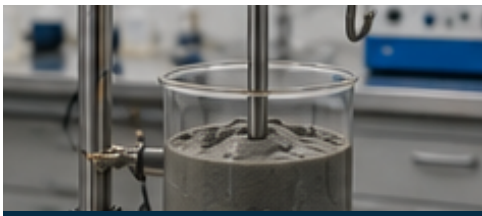
Specialized programs: project-specific test plans and evaluation of unusual materials.

PASTE FILL & RHEOLOGY

Paste fill mix design and trial batches; rheological characterization, strength and performance testing. Testing tailored to site-specific materials, conditions and backfill requirements.

FIELD & LABORATORY SUPPORT

On-site sampling, field observations, project-specific QA/QC testing, technical reporting and laboratory coordination to support mining projects and operational decision-making.



RHEOLOGY TESTING



MATERIALS TESTING



ON-SITE TECHNICAL SUPPORT

THURSTON LABORATORIES | MINING SERVICES

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