



ADVANCED TERRA TESTING

2021 PROCEDURES

ADVANCED TERRA TESTING

303-232-8308 833 PARFET ST. UNIT A LAKEWOOD CO 80215 www.terratesting.com

ROCK TESTING

General Properties

| Standard | Description | Notes |
|------------|---|-----------------------------------|
| ASTM D7263 | Moisture Content and Density (Modified For Rock) | |
| ASTM D7263 | Moisture Content and Density (Paraffin Coated, Modified for Rock) | |
| ASTM D854 | Specific Gravity (Modified For Rock) | Crushed to Minus #20 |
| ASTM D4318 | Atterberg Limits (Modified) | Prepped to Minus #100 |
| ASTM 4644 | Slake Durability | |
| RP-37 | Jar Slake | |
| ASTM D5312 | Freeze Thaw | 35 Cycles |
| ASTM D5313 | Wet Dry | 80 Cycles |
| ATT | Laboratory Technician Time (Per Hour) | For additional or requested labor |

Strength

| Standard | Description | Notes |
|---------------------|---|--|
| ASTM D5607 | Direct Shear - Intact, Sawcut, or Natural Joint | Per Sample Up to 3 Residual Points |
| ASTM D7012 Method D | Unconfined Compressive Strength with Stress-Strain | Includes Stress Strain Measurement, Young's Modulus and Poisson's ratio Calculations |
| ASTM D7012 Method B | Triaxial Compressive Strength with Stress-Strain | Includes Stress-Strain Measurement, Young's Modulus and Poisson's ratio Calculations |
| ASTM D6473 | Specific Gravity and Absorption of Rock for Erosion Control | |
| ASTM D3967 | Indirect Splitting Tensile Strength (Per Specimen) | Brazilian Disk Method |
| ASTM D5240 | Sulfate Soundness on Rock | Includes cutting |
| ASTM D2936 | Direct Tensile Strength | |
| ASTM D5731 | Point Load Test (Per Specimen) | |

Hardness and Mineral Identification

| Standard | Description | Notes |
|------------|---------------------------------|--------------|
| ASTM D5873 | Rock Hardness by Rebound Hammer | |
| ASTM D7625 | CERCHAR Abrasivity Index Test | |
| ATT RP-39 | Mohs Hardness Scale | Scratch Test |

Dimension Stone Tests

| Standard | Description | Notes |
|-----------|--------------------------------------|----------|
| ASTM C99 | Modulus of Rupture | |
| ASTM C97 | Absorption and Bulk Specific Gravity | 5 Trials |
| ASTM C170 | Compressive Strength | |

Samples are held for 60 days after testing is completed. After 60 days samples will be discarded if prior arrangements have not been made.

A 1.5 multiplier will be applied to all contaminated or hazardous materials (chemical, radiological, or biological).

A 1.5 multiplier will be applied to all samples received under our foreign import license, and will be oven dried before leaving the facility.

A 1.1 multiplier will be applied to all core samples with a diameter larger than 2.5 inches.

Core drilling block samples will be billed at a rate of \$90 per hour.

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

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