



2493 CR 37E, Lyons, CO 80540 303-823-5659 FAX 823-0173

ASTM Test Results: Lyons Red Sandstone

Test Summaries from Spring of 2015. In most cases they are the average from 5 samples.

These tests were performed by TCNA and certified by
Katelyn Simpson, Laboratory Manager

ASTM C 170: Compressive Strength Lyons Sandstone average psi perpendicular to the rift 32,402

ASTM min. Marble 7500 psi, Limestone 1800-8000, Granite 19000psi, Quartzitic Sandstone 4000 psi

ASTM C99: Modulus of Rupture. Lyons Sandstone average psi perpendicular to the rift 2552 psi

ASTM min. Marble 1000 psi, Limestone 400-1000 psi, Granite 1500 psi, Quartzitic Sandstone 1000psi

A 2" thick red sandstone paver 24" x 24" will support 12,813 lbs.

ASTM C97: Absorption & Specific Gravity Lyons Sandstone average 0.77% Absorption and 158.8 lb/cu ft Specific Gravity

Marble max. .20%, 162-175 lb/cu ft, Limestone 3-12%, 110-160 lb/cu ft, Granite .4%, 160lb/cu ft

ASTM C880: Flexural Strength. Lyons Sandstone average psi perpendicular to the rift: 2882

Marble min. 1000 psi, Limestone no requirement, Granite min 1200 psi, Quartzitic Sandstone no requirement

ANSI A137.1-2012: Lyons Sandstone Wet Dynamic Coefficient of Friction average results .785 (natural cleft)

ASTM C1028: Static coefficient of friction. Lyons Sandstone dry 1.20 wet 1.07 (natural cleft)

Complete Results Available upon request.