



American Society for Testing Materials International
(ASTM)

Meta-quartzite

From the Rainbow Quarries (est. 1920)

Technical Information		Value (Average)	ASTM Standards
Water Absorption - % by weight 0.20% Marble to 12% Low Density Limestone		2.79%	C-97
Density - Pounds per Cubic Foot (lbs./cu. ft.)		144.22 lbs	C-97
Bulk Specific Gravity 62.4 lbs – 1 cubic foot of water		2.312	C-127
MOH's Scale Scratch Test 1 – lowest Talc to 10 - hardest Diamond		5.75	
Modulus of Rupture (psi)	Dry	Parallel to rift	C-99
		Perpendicular to rift	
	Wet	Parallel to rift	
		Perpendicular to rift	
Compressive Strength (psi)	Dry	Parallel to rift	C-170-90
		Perpendicular to rift	
	Wet	Parallel to rift	
		Perpendicular to rift	
Abrasion (Resistance to wear)		50%	C-131

LV Rock MetaQuartzite Labs Summary

Please note that Las Vegas Rock, Inc. hired Smith Emery Company and ETEC Testing Laboratories, Inc. to perform the above referenced tests upon the Meta-Quartzite that is quarried at the Rainbow Quarries in Goodspings, Nevada.

The American Society for Testing and Materials International (ASTM), founded in 1898, is a not-for-profit organization that provides a global forum for the development and publication of voluntary consensus standards for materials, products, systems, and services.

Mineral Composition Meta-Quartzite

Testing was conducted throughout the Rainbow Quarries near Goodspings, Nevada in 1995 to determine the consistency of the deposit of striated meta-quartzite. Las Vegas Rock, Inc. hired Bondar Clegg, Inchcape Testing Services to perform testing of samples. Sample lines were collected by Las Vegas Rock, Inc. together with the Federal Government (BLM) to insure the validity of the samples tested.

Actual Test documentation available upon request.