

Sample Name: **Eldorado Chocolate Dimension Stone**
(Armourstone, Steps, Ledgerock, Drywall, etc.)

Report Date: 1-Feb-10

Physical Characteristics

Geologic Name: Dolostone (dolomitic limestone)

Colour: Chocolate brown to mocha brown

Major Minerals: Dolomite, Quartz

	Typical Value	Limits	Relevant Tests	
			ASTM	CSA
Specific Gravity	2.725	n/a	C128	A23.2-2A
Absorption	0.40 %		C128	A23.2-2A

Magnesium Sulphate Soundness

This test, performed by AME Materials Engineering according to ASTM D 5240-92 test methods, evaluates the rock's resistance to physical breakdown from freeze-thaw effects and chemically induced physical action by salt crystallization, etc.

Three representative samples were selected from the quarry and cut into two or three test samples each.

Each sample returned excellent results:

"on completion of the test cycles, no significant cracking, flaking or disintegration of the rock slabs was noted"

Sample No.	Initial Oven Dry Mass (g)	Soundness Loss (%)
A1	2305.5	0.10
A2	2588.2	0.05
B1	2991.0	0.03
B2	2768.1	0.01
B3	2661.0	0.04
C1	2778.6	0.01
C2	2723.7	0.06
C3	2854.1	0.04
Average Loss %		0.04

The average Soundness loss of 0.04% indicates that the rock is extremely sound and suitable for typical long-term outdoor applications.

Aggregate Test Report