



SAFE RELIABLE PRODUCTIVE

L.G. EVERIST, INC.

- Construction Aggregates
- Transload / Bulk Services
- Cut Stone / Dimensional Stone
- Industrial Stone
- Decorative Stone
- Rail Services
- Water Storage

# Industrial Stone



## We Deliver Solutions!

- Grinding mills and media
- Geological Engineering
- Drill equipment/optimization
- Stone cutting tools
- Stone wear plates
- Impact testing
- Smelting processes
- Many more...

Mohs Hardness Scale			
	Mineral Name	Scale Number	Common Object
↑ Increasing Hardness	Diamond	10	
	Corundum	9	Masonry Drill Bit (8.5)
	Topaz	8	
	Quartz	7	Steel Nail (6.5)
	Orthoclase	6	Knife/Glass Plate (5.5)
	Apatite	5	
	Fluorite	4	Copper Penny (3.5)
	Calcite	3	
	Gypsum	2	Fingernail (2.5)
	Talc	1	

Sioux Quartzite has tested as high at 7.5-8 on the Mohs Scale

One of the few natural stone operations is located in America's heartland, where the highly specialized skill of the stone cutter is matched with sophisticated machinery to produce a variety of stone products.

We produce large and small stones with tight tolerances using premium quartzite for a variety of industrial processing applications – from grinding to oil drilling equipment.

With quartzite being one of the world's hardest stones, it has become an invaluable element in many applications. Chemically, the product is 98% silicon dioxide. That purity, along with its inherent toughness, hardness, and close-grained structure make it the ideal natural stone for industrial processing. It's the perfect stone where contamination of materials being ground by wear cannot be tolerated.

### CHEMICAL ANALYSIS

- Silicon Dioxide 98.1%
- Aluminum Oxide 1.18%
- Iron Oxide 0.19%
- Magnesium Oxide 0.01%
- Calcium Oxide 0.02%
- Sodium Oxide 0.15%
- Potassium Oxide 0.25%
- Titanium Oxide 0.15%

### QUALITY RESULTS

- % Absorption 0.12 avg.
- Bulk Specific Gravity 2.646 avg.
- lb/ft3 Density 165 avg.
- lb/in2 Comprehensive strength 29,720 avg.
- lb/in2 Modulus of Rupture 4,660 avg.
- lb/in2 Flexural Strength 4,310 avg.



### Questions, Comments or Ideas:

Let us know how we're doing: [info@lgeverist.com](mailto:info@lgeverist.com) or 605.334.5000



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