

VERMONT



World's Finest Serpentine Stone

Single Source Serpentine

Cut-to-Size Stone

Worldwide Usage

Historical Usage

A large, detailed photograph of a serpentine stone surface, showing intricate, swirling patterns of dark green, black, and light green veins. The texture is highly detailed and organic.

Architectural Information Kit

www.vtverde.com
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(802) 767-4421



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Notable Installations

Recent Projects

Baseball Hall of Fame, Cooperstown, NY
The Battery, San Francisco, CA
East Texas Medical Center, TX
Federal Courthouse, Buffalo, NY
GM Building / Trump International, New York, NY
Rutland Regional Medical Center, Rutland, VT
333 West Wacker Drive, Chicago, IL
7 World Trade Center, New York, NY

A Few of Many Older and Historical Projects

745 7th Avenue, New York, NY
Atkinson Building, Los Angeles, CA
Blair Building, Chicago, IL
Bloomer Building, Rutland, VT
British Columbia Power Commission Building, Victoria, BC
Cartier, New York, Toronto, Phoenix, Boston, Hawaii, Houston
Chittenden Block, Rutland, VT
Conrad National Bank, Kalispell, MT
Equitable Federal Savings and Loan, Lancaster, OH
First National Bank and Trust, Lima, OH
Fountain Theater, Cincinnati, OH
Hall of Administration, Los Angeles, CA
Home Baking Company, St. Mary's, OH
Houston Light and Power Building, Houston, TX
Lincoln Centre, Minneapolis, MN
MacLean Hunter Publishing Building, Toronto, Ontario
NASDAQ Exchange, New York, NY
National Realty Company, Jackson, MI
New England Tel & Tel, Springfield, MA
New York State Capitol, Albany, NY
Northwestern National Life Insurance Building, Minneapolis, MN
Rochester Methodist Hospital, Rochester, MN
Security People's Trust Company, Erie, PA
Union Planters Bank & Trust Company, Memphis, TN
United States Post Office and Court House, Montpelier, VT
University of Vermont Library, Burlington, VT
Vermont State Office Building, Montpelier, VT
Verrazano Narrows Bridge Monument, Staten Island, NY
Wabash Federal Savings and Loan, Terre Haute, IN
Wayne State University, McGregor Memorial, Detroit, MI
Women's Federal Savings and Loan, Cleveland, OH

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Technical Specifications

Technical Information	English	Metrics	Test Method
Absorption by Weight, %	0.15	0.15	(C97)
Density, Lbs/Ft ³ (Kg/m ³)	179	2,867.3	(C97)
Compression Strength, psi (MPa)	26,124	180.29	(C170)
Abrasion Resistance, Hardness	110	N/A	(C241)
Flexural Strength, psi (mpa)	4178	33.37	(C880)

Geology

Vermont Verde Antique while having the “look” of marble is actually a “serpentine” and classified as a hydrous magnesium silicate. With the hardness and durability of most granite, and its low absorption rate and high flexural strength, it is an excellent choice for both interior and exterior uses.

Serpentine is a major rock forming mineral and is found as a constituent in many metamorphic and weathered igneous rocks. Serpentine’s structure is composed of layers of silicate tetrahedrons linked into sheets; this structure is what gives Verde Antique its high flexural strength rating.

Vermont Verde Antique is the commercial name for the serpentine “marble” derived from highly sheared ultramafic rocks that have been rewelded and metasomatized by the process of serpentinization. These ultramafic bodies are now recognized as segments of ancient oceanic crust that became part of the eastern North American continent during the Taconian orogeny. This is considered to be middle Ordovician in age, around 450 million years ago.

More deformation and metamorphism took place during the Acadian orogeny around 360 million years ago. This may have resulted in the polishable Vermont Verde Antique serpentine.

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LEED Rating Information

Under *Energy and Atmosphere* Vermont Verde Antique could positively impact the energy efficiency of a building with its high thermal mass helping to regulate temperature changes.

In the *Materials and Resources* category Vermont Verde Antique's quarry generates almost no waste rock; from the largest block to the smallest piece, everything is now used. We are in fact now utilizing some of the older historic "waste" piles in present projects. Another possibility is that as the building's life cycle is completed the durability of Vermont Verde Antique will allow for its reuse on other projects.

Our quarry and processing plant are ideally located for projects being completed in the Northeast. Our *500 mile local radius* covers all of New England and extends to US cities such as New York, Philadelphia, Washington, Pittsburgh and Cleveland, as well as Canadian cities including Toronto, Montreal, Ottawa, Quebec and Halifax.

In the *Innovation and Design* category Vermont Verde Antique could contribute to the performance of the building by helping to reduce life cycle costs in such areas as durability, mold resistance and improved air quality.

We operate both our marble quarry and processing facilities in an environmentally sensitive manner and take pride in our place and commitment to the communities where we live and work.



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Fabrication Capabilities: Cut-to-Size Stone and Much More

The Vermont Verde Antique serpentine stone processing/fabrication facility located in Barre, Vermont employs a staff of experienced craftsmen and can professionally complete any job from residential kitchen or bath countertops to the largest commercial custom cut-to-size work.

Our equipment includes:

- (Three) 3.5 meter blade saws capable of cutting the green slabs to any thickness for custom jobs and unique needs
- A twelve-head line polisher, one of the few in North America, able to produce finishes such as polished, honed and brushed
- A large wire saw with the capacity to cut slabs 16'x8'
- A contour wire saw for curved work and other intricate projects
- Numerous gantry bridge saws for custom cut-to-size jobs

Having our own facility gives our clients a big advantage by being able to select from our large inventory of serpentine slabs and blocks stored inside our 40,000 square foot building for year-round viewing.

