R The Galleria of Stone®

An IDG company

CONSUMER GUIDE

Granite

Granite is an intrusive igneous rock that forms underground in volcanic areas. During formation the magma cools slowly, resulting in a coarse-grained texture with crystal sizes ranging from 1 mm - 10 mm in diameter. Being non-vesicular, it is less prone to staining. It's typically composed of potassium feldspar, quartz, plagioclase feldspar, biotite, and amphibole, making it a felsic rock (rich in silicon and aluminum). Famous granite formations include Devil's Tower National Monument in Wyoming and Mount Rushmore in South Dakota.

MAINTENANCE / CARE

	LOW		HIGH	
Stain Resistance				
Heat Resistance				
Cold Resistance				
Scratch Resistance				

SETTING Interior / Exterior

APPLICATIONS

Kitchen Countertops, Bathroom Vanities, Backsplashes, Walls, Floors, Fireplaces, Showers, Outdoor Pavers, Outdoor Wet Areas

Acid Resistance

Natural Quartz

Natural quartz is a non-porous, crystalline, silicon dioxide mineral. Ranking 7 on the Mohs Hardness Scale, it is very resistant to scratching and other forms of physical and chemical erosion. One of the most interesting properties of quartz is the fact that it's a piezoelectrical material - it can generate internal electrical charge when mechanical stress is applied to it. Thanks to this amazing property, it is used as an oscillator to keep consistent time in watches and can be programmed to store information. Many cultures view quartz as one of the more powerful natural healing crystals.

MAINTENANCE / CARE

Acid Resistance

	LOW	HIGH	
Stain Resistance			
Heat Resistance			
Cold Resistance			
Scratch Resistance			

Kitchen Countertops, Bathroom Vanities, Backsplashes, Walls, Floors, Fireplaces, Showers, Outdoor Pavers, Outdoor Wet Areas



Quartzite

Made from the regional or contact metamorphism of quartz sandstone, quartzite is a non-foliated rock with fine to coarse crystal sizes. As a result of intense heat and pressure from its formational processes, quartzite is denser than its original quartz sandstone and is extremely resistant to physical and chemical weathering. Many quartzites appear similar to marble, but are much stronger and can be used in a wider variety of applications.

MAINTENANCE / CARE

Acid Resistance

	LOW		HIGH	
Stain Resistance				
Heat Resistance	0			
Cold Resistance				
Scratch Resistance				

SETTING Interior / Exterior

APPLICATIONS Kitchen Countertops, Bathroom Vanities, Backsplashes, Walls, Floors, Fireplaces, Showers, Outdoor Pavers, Outdoor Wet Areas



Limestone

Limestone is a sedimentary rock formed from biologic precipitates or cemented seashell fragments, with whole marine fossils sometimes being visible. Its grain size varies from microscopic to very coarse. Composed of calcite (a calcium carbonate mineral), limestone forms many karst cavernous systems and makes soil calcium-rich. For example, horses in Ireland develop strong bones and teeth by grazing on grass that extracts calcium from the soil above limestone layers. Prominent limestone structures include Israel's Temple Mount and the casing stones of the pyramids of Giza, Egypt.

MAINTENANCE / CARE

Acid Resistance

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	LOW	HIGH	
Stain Resistance			
Heat Resistance			
neat Resistance			
Cold Resistance			
Scratch Resistance			

SETTING Interior / Exterior **APPLICATIONS**

Backsplashes, Walls, Floors, Fireplaces, Outdoor Pavers, **Outdoor Wet Areas**

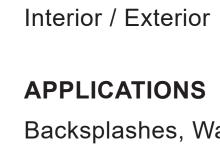
Travertine

Travertine is a type of limestone that precipitates from hydrothermal springs. Unlike tufas which form where cold water temperatures are present, travertine forms in high temperature areas. It can be found in whitish gray, golden-brown, sandy yellow, tan/beige, and red colorations. Containing a soft, layered pattern, it is commonly used as flooring material in Tuscan and Spanish designs as well as sunrooms and outdoor patios. One famous travertine deposit is Mammoth Hot Springs in Yellowstone National Park.

MAINTENANCE / CARE

	LOW	HIC
Stain Resistance		
Heat Resistance		
Cold Resistance		
Scratch Resistanc	e	
Acid Resistance		

SETTING



Backsplashes, Walls, Floors, Fireplace, Outdoor Pavers, **Outdoor Wet Areas**



Marble

Marble is a non-foliated metamorphic rock formed from the regional or contact metamorphism of limestone or dolostone. Its calcium-carbonate makeup contains calcite and/or dolomite with fine to coarse crystal sizes. In the design industry, only marbles made from limestone are labeled "marble" while those made from dolostone are labeled "soft quartzite". Although marble can be used outdoors in dry climates, it is not recommended for outdoor use in wet climates. Notable marbles can be found in the sculptures and architecture of Italy and ancient Greece, as well as India's Taj Mahal.

MAINTENANCE / CARE

Acid Resistance

	LOW HIGH
Stain Resistance	
Heat Resistance	
Cold Resistance	
Scratch Resistance	

SETTING Interior / Exterior

APPLICATIONS Kitchen Countertops, Bathroom Vanities, Backsplashes, Walls, Floors, Fireplaces

Quartz

In the world of design, the word "quartz" solely refers to man-made material. Natural quartz is ground up into powder and mixed with resins, polymers, and pigments that color the stone. Sometimes glass or metallic flakes are added and the design is printed onto the solid product. It is more resistant to damage than natural stone, with the exception of its sensitivity to heat and UV rays. Being very low maintenance and antibacterial, quartz is safe for homes, educational buildings, medical practices, and scientific facilities.

MAINTENANCE / CARE

Scratch Resistance

Acid Resistance

	LOW	, i i
tain Resistance		SETTING
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old Resistance		APPLICAT

PLICATIONS Kitchen Countertops, Bathroom Vanities, Backsplashes, Walls, Floors, Showers

Soft Quartzite

In the design industry "soft quartzite" is actually not quartzite, but instead a term used to describe marble formed from metamorphosized dolostone. Marbles made from dolostone are harder, less porous, and more acid resistant than their limestone-based counterparts. Although marble can be used outdoors in dry climates, it is not recommended for outdoor use in wet climates

MAINTENANCE / CARE

	LOW	HIGH
Stain Resistance		
Heat Resistance		
Cold Resistance	0 0 0	
Scratch Resistance	0 0 0	

SETTING Interior / Exterior

APPLICATIONS Kitchen Countertops, Bathroom Vanities, Backsplashes, Walls, Floors, Fireplaces

Onyx

Acid Resistance

Onyx is an agate gemstone formed from alternating bands of the silicate mineral chalcedony. A cryptocrystalline compound with intergrown quartz and moganite crystals, the chalcedony forms as a precipitate at low temperatures as existing rock breaks down. Throughout history, onyx has been used in jewelry, décor, and hardstone carvings including cameos (layered carvings with relief images that contrast in color against their background). Onyx can be found in every color of the rainbow, although black and red onyxes are rarer.

MAINTENANCE / CARE

Stain Resistance	LOW
Heat Resistance	
Cold Resistance	

SETTING Interior

APPLICATIONS Backsplashes, Walls, Fireplaces Scratch Resistance Acid Resistance

HIGH



Slate

Slate is a metamorphic rock formed from the low-grade regional metamorphism of shale. It contains foliated layers of fine dark grey to black mica. A bit brittle in nature, it's not as durable as some other stones like marble or granite and can be pretty sharp around the edges. However, it is non-porous making it great for showers, sinks, and outdoor applications. Throughout the years, it has been used to make chalkboards, roofing tiles, flooring, and outdoor pavers.

Acid Resistance

MAINTENANCE	/ CARE	
	LOW	HIGH
Stain Resistance	• •	
Heat Resistance	• • •	
Cold Resistance	000	
Scratch Resistance		

SETTING Interior / Exterior

APPLICATIONS



Floors, Fireplaces, Outdoor Pavers, Outdoor Wet Areas

Disclaimer: Natural stones vary in mineral composition, porosity, and hardness. All resistances are based on average material ranges and are provided as a general reference only. MARVA The Galleria of Stone is not responsible or liable for the natural characteristics or performance of any stone or for the customer's usage of the stone.

