RIVERSTONE®

CLADDING STONE

Riverstone Phyllite is the perfect choice for stone cladding - available in several machine processed and natural finishes. The beauty of the stone derives from the full geology of the rock - with striking veins of quartz and mica crystals on full display.

Supplied by:

SSQ
EXCLUSIVELY NATURAL SLATE

PRODUCT INFORMATION

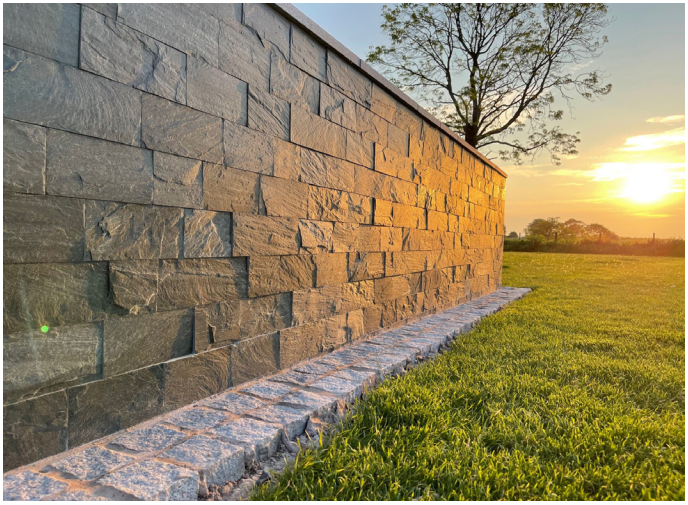
Product profile

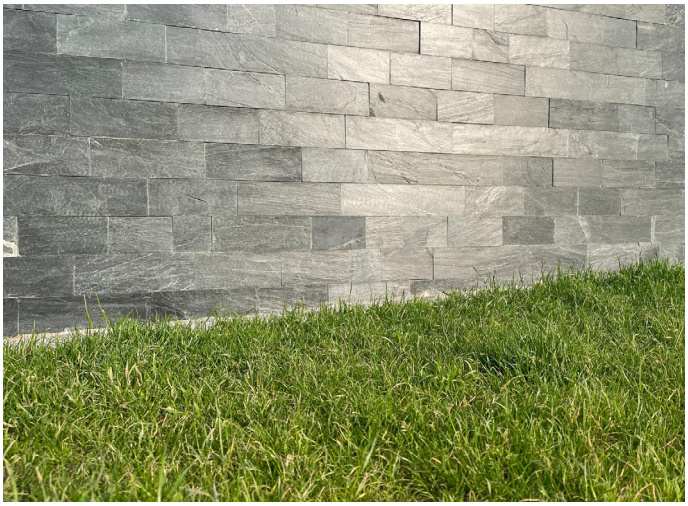
The Riverstone quarry is located in La Represa, deep in central Argentina, situated between the Pampas and the Andes mountain range. Riverstone is a Phyllite stone formed within a pre-Cambrian rock sequence around 640 million years old.

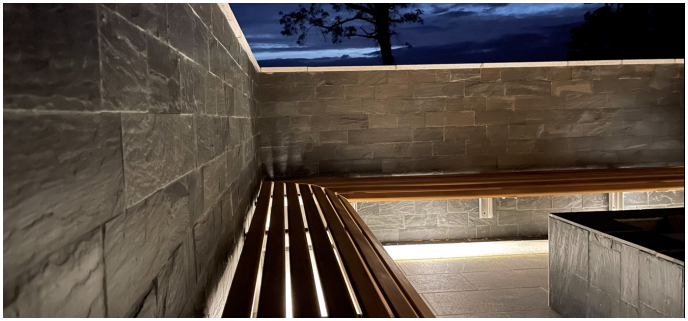
It is the only source of this type of its kind locally, and there are only a few sources of Phyllite stone available worldwide, making commercially accessible Phyllite stone extremely rare.

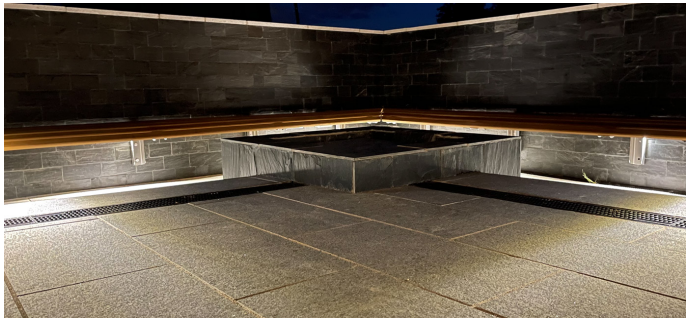
Appearance

Riverstone Phyllite has a natural medium grey finish that is free from any pigmentation, making it impervious to the effects of bright sunlight. It is a particularly high-density rock, meaning its hard wearing surface will not take on general atmospheric dirt or scar and pit as a result of acid rain in more polluted environments. Its low porosity also ensures exceptional resistance to the damaging effectsof the freeze-thaw cycles on the rock.









Standard	Description of test	Result	Commentary
EN 1542:1999	Max Pull Off Load	3.3kN (Min 2.6kN, max 4.8kN)	The test specifies a method for measuring the tensile bond strength of Riverstone. It was performed with adhesive ARDEX X7Gplus.
EN 1936	Density and Porosity	2790kg/m3 0.2%	Riverstone is denser than most stones, therefore it has a better life expectancy. The low porosity represents a good wearing surface that resists infiltration by polluting articles.
EN 13755	Water Absorption at Atmospheric Pressure	0.2%	Riverstone achieves extremely low water absorption which is an indicator of its minimal susceptibility to damage during freezing.
EN 14157	Abrasion Resistance	25mm	Riverstone performs within the criteria of the test, which assesses the strength of the bonds between the comprising minerals, testing more than just the basic hardness of the stone.
EN 13161	4-point Flexural Strength	49.2MPa	The achieved results prove a low likelihood of cracking or breaking when used for external cladding.
EN 12371	Frost Resistance	44.4MPa	During the 56 freeze-thaw cycles used to perform the test, Riverstone achieves significant results above the minimum expected value of 30.6MPa.
EN 12370	Salt Crystallisation	-0.05% change (pass)	On the basis of not exhibiting any significant changes as a result of the testing, the stone offers good resistance to the effects of salt crystallisation.
EN 14066	Thermal Shock	-0.02%	The test did not induce any physical or aesthetic changes, therefore the stone offers resistance to thermal shock.
EN 13364	Breaking Load at Dowel Hole	5.65kN	Riverstone was subjected to transverse pull-out tests to determine the mechanical and physical behaviour of the stone, deeming it suitable for dimensional cladding.

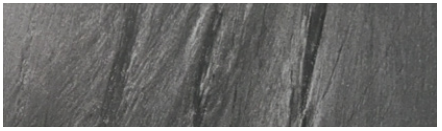
FINISHES

Natural Split

Expertly split by hand with a traditional riven surface.

Brushed Antique

A smooth matt finish retaining the intrinsic properties of the natural split.



SIZES

10 x Random Lengths x 1cm
20 x Random Lengths x 1cm
25 x Random Lengths x 1cm
30 x Random Lengths x 1cm

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