

Slate Stone

Fine grain Slate from our quarry is hard wearing, impermeable, resistant to atmosphere pollution, frost, normal heat and rapid temperature changes, Our slate is characterized as 'fairly hard'

The hard-wearing waterproof and rot proof properties of our Slate make it ideally suited for a whole host of external and internal features the application are virtually endless, being limited only by the designer's imagination, Floor used our Slate are known with life in excess of several years, and they are still popular today. Fireplace surrounds and hearths, worktops, breakfast bars and internal fountains, wall facing, chimneys, barbecues, garden walls and steps are just some of the ways in which our stone and slate s have been and are being used.

Best Application:

- Polished tiles are best suited for class flooring in premium as well as upper middle class customer segment.
- Marble is best suited for Holy places like Mosque, temple, church etc.
- Polished slabs can be considered as best suited for cupboard shelves, Kitchen cabinet shelves, and vertical fascias.
- Being a soft stone it gives very good workability in carving works as well as statue, monuments, and variety of articles etc.
- Exclusive Inlay tabletop, inlay tiles, and other inlay items are only possible in marbles.
- Marble Fountains, Funerary monuments, doors window frames are few of the best application.
- It is very good flooring option for major customer segments because of its moderate cost.

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Specification:

Physically, these are Metamorphic-Argillaceous rocks, which has developed a well-marked, splittable cleavages with or without developed recrystallization & spots/knots of minerals like garnet, pyrite, andalusite, etc. They are normally fine to medium grained, moderately hard & compact, less homogeneous with varying textures & shades. It has an ability to split into thin layers along the plane of cleavages due to flattened & elongated minerals along the plane of cleavage.

Hardness:	3.0 to 4.0 on Moh's scale
Density:	2.6 to 2.8 Kg/cm ³
Modulus of Rupture:	22 to 34 N/mm ²
Compressive Strength:	24 to 36 N/mm ²
Specific Gravity:	2.65 to 2.80
Porosity:	Low to very low
Water Absorption:	1.5 to 2%
Weather Impact:	Resistant
Corrodibility:	0.4 to 0.7%

Chemically, they are Multi-Mineral, metamorphic argillaceous rocks made of an aggregate of minerals and colloidal substances. Essentially mineral composition includes quartz, mica, chlorite, sericite & oxides of iron with occasional spots/knots of minerals like garnet, pyrite, andalusite, etc.

SiO ₂ :	55-65%
Iron (Fe ₂ O ₃):	4%-8%
Alumina (Al ₂ O ₃):	15 to 20%
Soda (Na ₂ O) & Potash (K ₂ O):	2-4%
Lime (CaO):	0.5-1%
Magnesia (MgO):	0.5-3%
TiO ₂ :	0.4-0.5%
Loss On Ignition (LOI):	3-4%