

## Marble

These are preferably used for flooring, walling, and partition purpose. It is basically soft stone in comparison of kotah and granite stone. It is been widely used by hotels and luxury bungalows. In marble very extra ordinary inlay work can be done as per requirement of different design and pattern. The well-known "Tajmahal" is built up with this technique of inlay stonework. Price range cannot be given for this particular inlay work because of it varies from design, pattern and combination of stones.

### Demerits:

- Highly affected to acidic reactions and hence not recommended in area of acid zones.
- It is a porous stone and hence it absorbs any thing immediately leaving stains in floor.
- It is semi transparent and hence back coat shall be of colour cement adds cost of laying for good result.
- Generally not preferred for home and residences as per Feng-Sui and Vaastu.
- It precipitates carbon dioxide, which is not good for humans.
- Its innate quality is cold and hence it is not good for houses of old person having joint problem, as well as by virtue of its characteristics it always generate diseases of cold to people living in houses with this flooring.
- It is observed that it is not fit for comfortable biological environment for humans.

### 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 of Indian Marble:**

**Physically**, these are recrystallized, Hard, Compact, fine to very fine grained metamorphosed rocks capable of taking shining polish.

<b>Hardness:</b>	3 to 4 on Moh's Scale
<b>Density:</b>	2.55 to 2.7 Kg/cm <sup>3</sup>
<b>Compressive Strength:</b>	70 to 140 N/mm <sup>2</sup>
<b>Modulus of Rupture:</b>	12 to 18 N/mm <sup>2</sup>
<b>Water Absorption:</b>	Less than 0.5% (except Rainforest Green/Brown with 2-3%)
<b>Porosity:</b>	Quite low
<b>Weather Impact:</b>	Resistant

**Chemically**, they are crystalline rocks composed predominantly of calcite, dolomite or serpentine minerals. The other minor constituents vary from origin to origin.

<b>Lime (CaO):</b>	28-32%
<b>Silica (SiO<sub>2</sub>):</b>	3-30% (varies with variety)
<b>MgO:</b>	20 to 25%
<b>FeO + Fe<sub>2</sub>O<sub>3</sub>:</b>	1-3%
<b>Loss On Ignition (LOI):</b>	20-45%

**Omani Marble:**

We bring you superior marble from Oman, on par with the best in the world. Crafted from the quarries of Suwaiq and perfectly engineered.

**Specification:**

<b>TEST DESCRIPTION</b>	<b>AVERAGE TEST VALUES OBTAINED</b>
Comprehensive Strength (Dry)	132.5
Comprehensive Strength (Wet)	111.1
Water Absorption	0.776
Density	2629