

## Sandstone

This is normally used as flooring material in garden pathways, courtyards, & passages. It is also used in major quantum for wall cladding in prestigious buildings in India. Basically this is sandstone having its own luster hence accepted in big way in Indian construction industry.

### Best Application:

- Polished tiles are best suited for courtyards, garden seating, pathways, walling etc.
- Natural sandstone tiles can be used as flooring as well as roofing tiles.

### Specification:

<b>Color:</b>	Minor color tonal variations exist but within the tolerance limit.
<b>Hardness:</b>	6.5 to 7 on Moh's Scale
<b>Density:</b>	2.3 to 2.4 Kg/cm <sup>3</sup>
<b>Compressive Strength:</b>	90 to 140 N/mm <sup>2</sup>
<b>Modulus of Rupture:</b>	16-40 N/mm <sup>2</sup>
<b>Water Absorption:</b>	1.0 - 1.2 %
<b>Porosity:</b>	Low to very low
<b>Weather Impact:</b>	Resistant

**Chemically**, they are very resistant Mono-Mineralic rocks, principally composed of silica. The other minor constituents vary from origin to origin

<b>SiO<sub>2</sub>:</b>	95-97%
<b>Iron (Fe<sub>2</sub>O<sub>3</sub>):</b>	0.5%-1.5%
<b>Alumina (Al<sub>2</sub>O<sub>3</sub>):</b>	1 to 1.5%
<b>Soda (Na<sub>2</sub>O) &amp; Potash (K<sub>2</sub>O):</b>	Less than 1%
<b>Lime (CaO):</b>	Less than 0.5%
<b>Magnesia (MgO):</b>	Less than 0.5%
<b>Loss On Ignition (LOI):</b>	Less than 0.5%