



## **GAJANAN GROUP OF COMPANIES**

### TECHNICAL DATASHEET QUARTZITE POWDER ( SILICA RAMMING MASS)

Specification:

<b>Silica <math>\text{SiO}_2</math></b>	<b>98.00% (<math>\pm 1\%</math>)</b>
<b>Alumina <math>\text{Al}_2\text{O}_3</math></b>	<b>0.06%</b>
<b>Ferric Acid <math>\text{Fe}_2\text{O}_3</math></b>	<b>0.02%</b>
<b>Titanium Dioxide <math>\text{TiO}_2</math></b>	<b>0.08%</b>
<b>Calcium Oxide <math>\text{CaO}</math></b>	<b>0.01%</b>
<b>Magnesium Oxide <math>\text{MgO}</math></b>	<b>0.09%</b>
<b>Sodium Oxide <math>\text{Na}_2\text{O}</math></b>	<b>0.04%</b>
<b>Potassium Oxide <math>\text{K}_2\text{O}</math></b>	<b>0.05%</b>
<b>Loss on ignition</b>	<b>0.79%</b>
<b>Sintering Temperature 1200°C</b>	
<b>Recommended Service Temperature Up to 1750°C</b>	
<b>PCE Value 31-32</b>	
<b>Grains Size 0-5 MM: 3 to 5mm (20-24%), 1 to 3mm (28-32%), 0 to 1mm (46-50%)</b>	

- Ease of installation
- Withstanding the stresses developed by thermal cycles during the furnace operation,
- Structural strength under operating conditions,
- High erosion resistance
- Reparability of the lining,
- Ease of dismantling,

Note: For successful and consistent performance of the lining, one of the important aspects is use of proper grade and quality of the lining material. We pay special attention towards both the raw minerals and preparation of mass and granules.