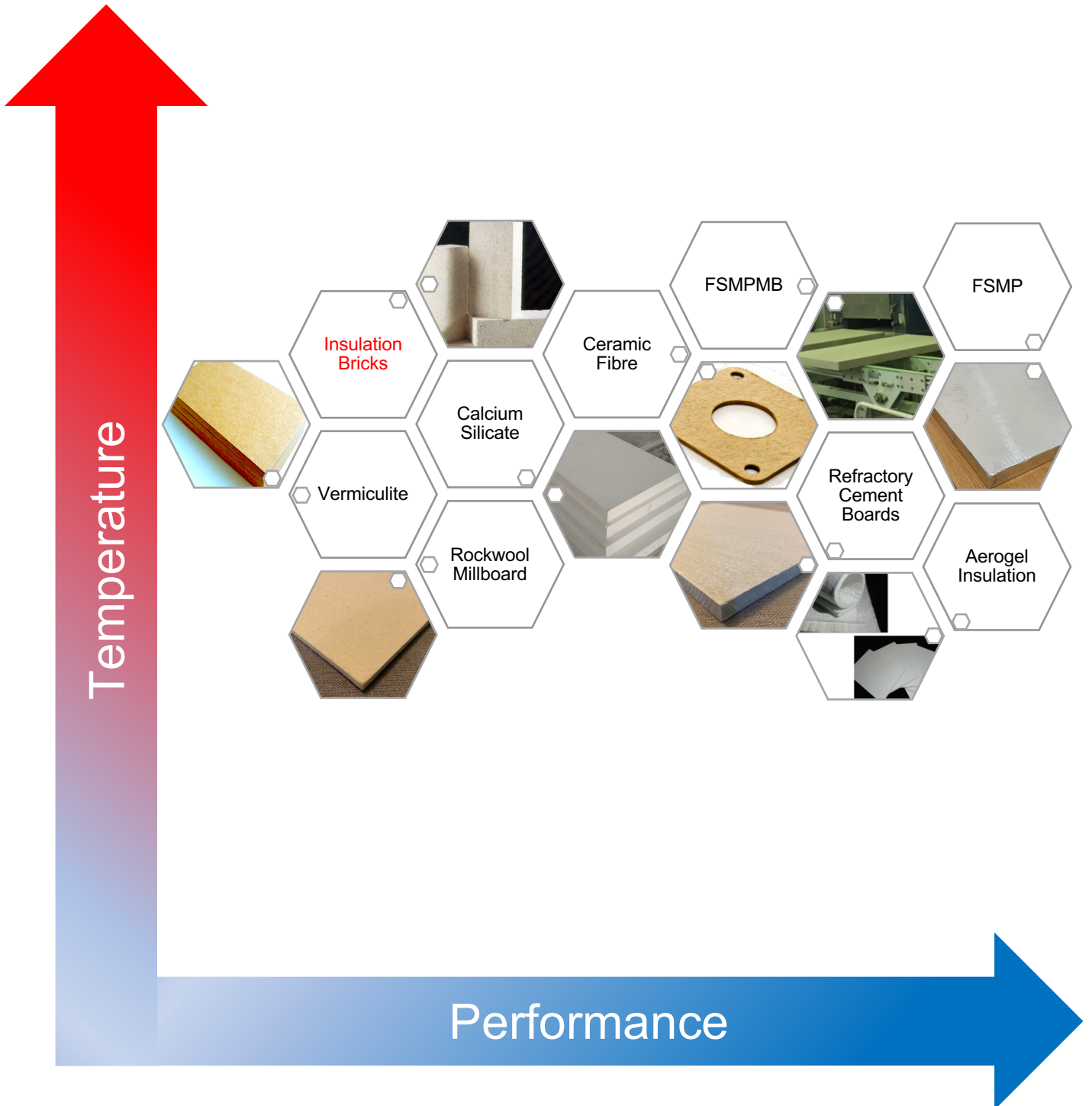


# Insulation Refractory Bricks

High Performance | High Strength | Low Cost



## WETON | Insulation Refractory Bricks

WETON are lightweight refractory insulation bricks most suitable for high temperature insulation up to 1600 Degree C. These bricks are produced from high purity raw materials to achieve lowest possible thermal conductivity without compromising on mechanical strength.

### Feature & Advantages

- Low thermal conductivity at high temperatures
- Low bulk density, thus low heat storage
- Good high temperature resistance
- Reduced thermal shrinkage
- High thermal shock resistance
- High mechanical resistance

### Applications

- Insulating layer in torpedo ladles
- Ceramic industry plants like chamber,
- Bogie hearth and tunnel kilns
- Anode baking furnaces
- Cracker and process plants
- Combustion chamber lining
- Insulation in reheating furnaces
- Walking beam furnaces
- Rapid roller kilns for cement
- Glass furnaces & Tunnel furnaces



### Technical Properties

Qualities	WETON 23	WETON 26	WETON 28	WETON 30	WETON 32
Type	Soft	Hard	Hard	Hard	Hard
Colour	White	White	White	White	White
Classification Temperature; °C	1260	1430	1540	1650	1760
Bulk Density; Kg / CM3	600	800	890	1030	1250
Flexural Strength; Mpa	0.9	1.5	1.6	1.7	2
Cold Crushing Strength; MPa	1.2	2.4	2.6	2.8	3.4
Thermal Conductivity; W/m.k					
400	0.17	0.24	0.3	0.4	0.49
600	0.18	0.27	0.32	0.42	0.5
800	0.21	0.29	0.35	0.44	0.51
1000	0.24	0.32	0.38	0.45	0.53
1200		0.35	0.39	0.47	0.55
Al <sub>2</sub> O <sub>3</sub> ; %	45	55	65	72	76
Fe <sub>2</sub> O <sub>3</sub> ; %	0.7	0.6	0.3	0.3	0.3
SiO <sub>2</sub> ; %	50	43	33	26	22
TiO <sub>2</sub> ; %	1.2	1.1	0.9	0.5	0.3
CaO + MgO; %	0.7	0.3	0.2	0.3	0.2
K <sub>2</sub> O + Na <sub>2</sub> O; %	1.3	1.1	0.8	0.2	0.1