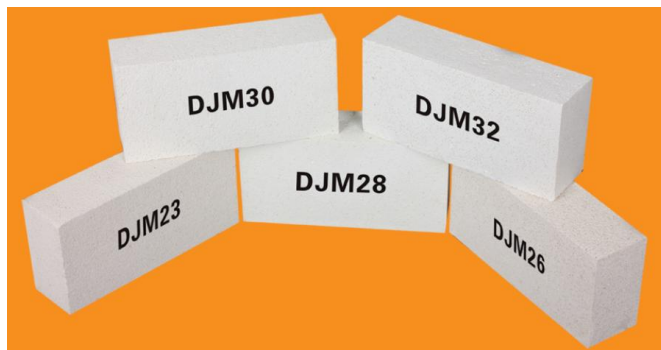


## CCEFIRE DJM Insulating Fire Brick



Temperature Grade 2300°F (1260°C), 2600°F (1430°C), 2800°F (1540°C), 3000°F (1650°C), 3200°F (1760°C)

CCEFIRE DJM Series Mullite insulation brick is a new type of refractory material, which can directly contact with fire, characterized with high temperature resistance, lightweight, low thermal conductivity,

good energy saving effect, specially suitable for cracking furnace, hot blast furnace, ceramic roller kiln, porcelain kiln extraction, glass crucible and various electric furnaces as lining. It is an ideal product of energy efficiency and longevity.

### Characteristics:

- Low thermal conductivity;
- Excellent thermal insulation;
- Low density;
- Excellent thermal shock resistance.

### Application:

- Glass industry;
- Ceramics industry;
- Electric aluminium industry;
- Iron & steel industry;
- Petrochemical industry;
- Non-ferrous metal industry.

### TDS

CCEFIRE DJM Insulating Fire Brick							
Item	DJM23C	DJM-23	DJM-24	DJM-26	DJM-28	DJM-30	DJM-32

Classification Temp(°C)		1260	1260	1300	1430	1540	1650	1760
Bulk Density(g/cm <sup>3</sup> )		0.5	0.6	0.7	0.8	0.9	1	1.25
Crushing Strength(MPa)		1.2	1.2	1.4	1.6	2.1	2.5	3.5
Modulus of Rupture(MPa)		1.0	0.9	1.2	1.4	1.6	2.1	2.1
Permanent linear change (CT-30°Cx24h)%		0.5	0.5	0.6	0.4	0.5	0.9	0.9
Reversible thermal expansion at 1100°C		0.5	0.5	0.6	0.7	0.8	0.9	1.1
Thermal conductivity (W/m.k)	400 °C	0.12	0.12	0.14	0.27	0.32	0.41	0.49
	600 °C	0.14	0.14	0.16	0.29	0.34	0.43	0.5
	800 °C	0.16	0.17	0.18	0.31	0.36	0.44	0.51
	1000 °C	0.18	0.19	0.2	0.33	0.38	0.45	0.53
	1200 °C	-	-	-	0.3	0.41	0.47	0.56
Chemical Analysis(%)	Al <sub>2</sub> O <sub>3</sub>	37	37	44.5	58	67	73	77
	SiO <sub>2</sub>	47	44.4	41.2	39.1	31	25.1	21.5
	Fe <sub>2</sub> O <sub>3</sub>	0.7	0.7	0.7	0.7	0.6	0.5	0.4
Common size of insulation brick	230 x 114 x 65/75mm (9 "x 4.5" x 2.5"/3") or customized size							