High Purity Dead Burned Magnesia

The process of manufacturing High Purity Dead Burned Magnesia involves crushing, grinding, briquetting and sintering of High Purity Caustic Calcined Magnesia in ultra-high temperature shaft kilns. The main features of PRCO High Purity Dead Burned Magnesia are high purity and high density, low SiO_2 and low Fe_2O_3 and no harmful impurity elements such as B_2O_3 and chlorine.

High Purity Dead Burned Magnesia is ideal for refractory solutions used in:

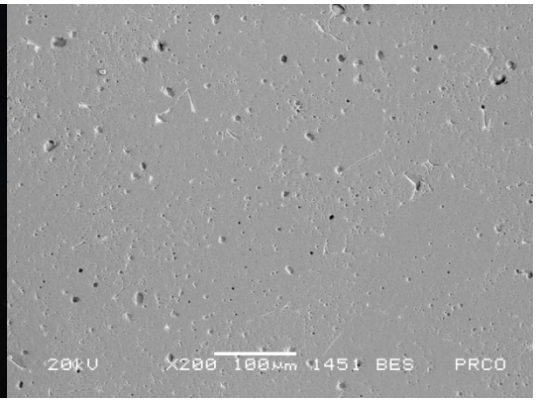
1. Steel industry refractories, such as steel ladle bricks, converter bricks, EAF bricks, ramming materials, and castables.
2. Non-ferrous metallurgical furnaces and smelters.
3. Cement rotary kilns, such as the burning zone brick.
4. Melt zone brick for glass kilns.
5. Other industries, such as glass ceramics, hydrotalcite, & acetate.

PRCO has a production line of 2 High Purity Dead Burned Magnesia furnaces with an annual production capacity of 120,000 tons.

Data Sheet of High Purity Dead Burned Magnesia

Brand	MgO, ≥	CaO, ≤	SiO_2, ≤	Fe_2O_3, ≤	Bulk Density ≥	Apparent Porosity ≤
PN-DBM98A	98.0	1.5	0.3	0.2	3.40	30
PN-DBM98B	98.0	1.5	0.3	0.2	3.30	5.0
PN-DBM98B	97.8	1.5	0.3	0.2	3.28	5.0

High Purity Dead Burned Magnesia Ball



Microstructure of High Purity Dead Burned Magnesia, grain size 40-200µm