

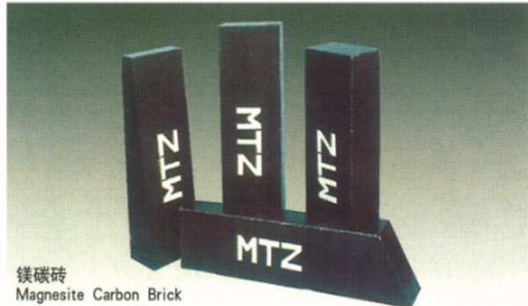


LAVA (DALIAN) INTERNATIONAL TRADE CO.,LTD

No.155,Shandong Road,Dalian,China.116031. Tel/Fax:(86)0411-39563205,Cell:(86)13322231605

Website: www.lavadl.com Mail to: info@lavadl.com

镁制品系列 Series of Magnesite Products



镁碳砖、铝镁碳砖、镁钙碳砖：

镁碳砖：以优质电熔镁砂、石墨以及各种添加剂、结合剂组成，经高压成型热处理后制得。

铝镁碳砖：以特等高铝矾土熟料、优质镁砂、电熔砂、石墨以及结合剂组成，经高压成型热处理后制得。

镁钙碳砖：以低CaO含量的电熔镁钙砂鳞片状石墨，以及结合剂组成，经高压成型热处理后制得。

特性与用途：碳质制品具有良好的高温强度，抗热震性、抗剥落性、抗氧化性，可用于转炉、电炉、钢包精炼炉等重要部位。

Magnesite Carbon Brick, Magnesite Alumina Brick, Magnesite Calcium Brick;

Magnesite Carbon Brick: Using high quality electro-fused magnesite and graphite as main material, with all kinds of additives and bonding agent, the bricks are made applying high pressure and other process steps as heat treatment process etc.

Magnesite Alumina Brick: Using special grade high alumina bauxite chamotte, high grade magnesite clinker, electro-fused magnesite and graphite as main materials, with bonding agent, the bricks are made under high pressure and other steps as heat treatment process etc.

Magnesite Calcium Brick: It's made from electro-fused magnesite calcium clinker with a low CaO content and flake graphite, together with bonding agent. The bricks are made under high pressure and other steps as heat treatment process etc.

Characteristice and usage: The products have a high strength value under high temperature, a very good thermal shock resistance, a good thermal spalling as well as anti-oxidation resistance. They are used in important sections of convertor, open-hearth furnace, electric arc furnace, and steel-coated refining furnace.



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3000T抽真空液压砖机
3000ton vacuum hydraulic press

镁碳砖 Magnesite Carbon Brick

指标 index	牌号 brand										铝镁碳砖 magnesite alumina brick	镁钙碳砖 magnesite calcium carbon brick
		MT 10A	MT 10B	MT 10C	MT 14A	MT 14B	MT 14C	MT 18A	MT 18B	MT 18C		
MgO(%)≥		80	78	76	76	74	74	72	70	70	10-12	80
C(%)≥		10	10	10	14	14	14	18	18	18	3-9	4-6
显气孔率 (%)≤ apparent porosity		4	5	6	4	5	6	3	4	5	10	3.0
体积密度(g/cm³)≥ bulk density		2.90	2.85	2.80	2.90	2.82	2.77	2.90	2.82	2.77	2.90	3.0
常温耐压强度(MPa)≥ cold crushing strength		40	35	30	40	35	25	40	35	25	35	45
高温抗折强度≥ (1400°C 30min) MPa h.b.strength		6	5	4	12	8	5	10	7	4	Al ₂ O ₃ 60-70%	CaO 14-16%



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镁铝砖（方镁石-镁铝尖晶石砖）：

以优质制砖镁砂和镁铝尖晶石砂为主要原料，经高压成型，高温烧成制得。具有很好的耐崩裂性。主要用于工业窑炉的高温部位。

镁铝铬砖：

以优质镁砂和复合尖晶石砂为主要原料，经高压成型，高温烧成制得，具有很好的高温强度，耐崩裂性，较高的荷重软化温度，是窑顶部的理想材质。

Magnesite Alumina Brick (Periclase-Magnesite Alumina Spinel):

With high magnesite clinker and periclase magnesite alumina spinel as raw material. The brick is made under high pressure, and has a very good thermal spalling resistance. It's mainly used in high temperature zones of all industrial furnaces and kilns.

Magnesite Alumina Chrome Brick:

Magnesite Alumina Chrome Brick is made from magnesite clinker and compound magnesite alumina spinel, before firing under high temperature. It is characterized by its very high thermal strength. The brick is a typical lining material for the top section kilns.

镁铝砖（方镁石-镁铝尖晶石砖）Magnesium-Alumina Brick (Periclase-Magnesite Alumina Spinel)

指标 index	牌号 brand	ML-80A	ML-80B	ML-85A	ML-85B	ML	MJ-80	镁铝铬砖 magnesium-alumina chrome brick
MgO≥ (%)		80	80	85	85	85-88	78	84
Al ₂ O ₃ (%)		5-10	5-10	4-8	4-8	6-8	8-13	
Al ₂ O ₃ +Cr ₂ O ₃ (%)								7.08
Cr ₂ O ₃ (%)								1.10
0.2MPa荷重软化温度≥(℃) initial softening temperature		1600	1580	1650	1630	1630	1600	1630
显气孔率 ≤(%) apparent porosity		18	20	18	19	18	18	17
常温耐压强度(MPa) cold crushing strength		39.2	29.4	45	38	40.6	40	45
抗热震性(次) thermal shock resistance		3	3	3	3	3	4不低于 1100℃ no lower than	4不低于 1100℃ no lower than



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镁砖
Magnesite Brick



高纯镁砖：以优质镁砂为原料，经高压成型、高温烧成制得。制品的理化指标及其高温性能，均能够达到国外同类水平。

High Purity Magnesite Brick: It is made from high grade magnesite clinker by high pressure shaping and firing under high temperature. It's specifications at high temperature can reach the level of similar products produced abroad.

特性：高温下具有很好的强度，耐腐蚀性，耐磨性强，很好的耐崩裂性。

用途：用于转炉、电炉等各种工业窑炉的高温部位。

Characteristic: High strength value under high temperature, good anti corrosiveness, abrasion durability and good thermal spalling resistance.

Usage: Important sections of converter and electric furnace linings for all kinds high temperature industrial furnaces and kilns.

镁砖 Magnesite Brick

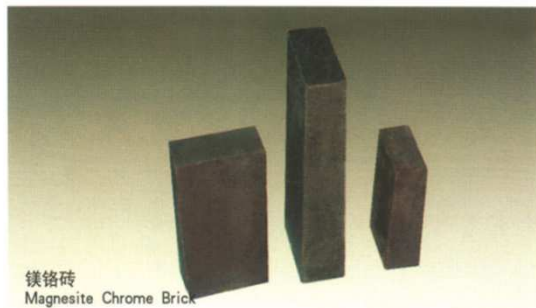
指标 index	牌号 brand	标准值 standard value						
		MZ-87	MZ-89	MZ-91	MZ-95	MZ-96	MZ-97	MZ-98
MgO \geq (%)		87	89	91	94.5	95.5	96.5	97.5
CaO \leq (%)		3	3	3	2	2	2	2
耐压强度 \geq MPa cold crushing strength		50	50	60	60	60	60	60
显气孔率 \leq (%) apparent porosity		20	20	18	20	20	18	18
荷重软化温度 \geq ℃ initial softening temperature		1540	1550	1560	1650	1650	1680	1700



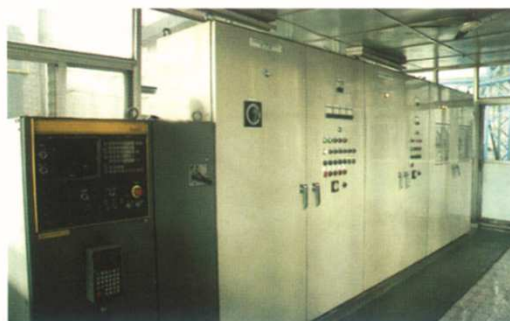
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镁铬砖
Magnesite Chrome Brick



镁铬砖 Magnesite Chrome Brick

指标 index	牌号 brand	MGe-20	MGe-16	MGe-12	MGe-8	DBMK-A	DBMK-B	DBMK-C	电熔再结合镁铬砖 electro-fused rebonded magnesite chrome brick
MgO \geq (%)		40	45	55	60	80	80	80	75.2
Cr ₂ O ₃ \geq (%)		20	16	12	8	6-8	6-8	6-8	13.4
SiO ₂ \leq (%)						2.0	2.5	3.0	1.4
显气孔率 \leq (%) apparent porosity		22	22	21	21	18	18	18	14.5
常温耐压强度 \geq (MPa) cold crushing strength		25	25	30	30	40	40	40	59.8
荷重软化温度 \geq (°C) initial softening temperature		1550	1550	1550	1530	1650	1630	1630	1750