

RIMPEX LTD
THE WORLD OF REFRACTORIES



REFRACTORY PRODUCTS

RIMPEX Ltd. manufactures products made of refractory castables with various shape, based on technical specifications and formers, purpose made or delivered by the customer.



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Refractory castables for ladles

PROPERTIES	Pocket block			Stack
Content of Al ₂ O ₃ + TiO ₂ , %	>35,0	>80,0	>92,0	>90,0
Cold crushing strength MPa	>20	>25	>35	>30
Bulk density, g/cm ³	>2,00	>2,50	>2,80	>2,90

For their service activities and as a commercial product Rimpex Ltd. imports from China and offers domestic and international market and fireclay Magnesia refractory products.

Fireclay and high alumina refractory products

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PROPERTIES	SK-32	SK-34	SK-36	SK-37	SK-38
Content of Al ₂ O ₃ , %	30-36	39-45	47-53	60-65	70
Content of Fe ₂ O ₃ , %	<3,5	<3,0	<3,0	<2,0	<2,0
Content of SiO ₂ , %	59-65	50-56	42-48	36	26
Content of Na ₂ O + K ₂ O, %	0,5-1,4	0,5-1,4	0,5-1,4	0,5-1,4	0,5-1,4
Content of TiO ₂ , %	<2,0	<2,0	<2,0	<2,0	<2,0
Bulk density, g/cm ³	2,10-2,15	2,15-2,25	2,2-2,3	2,35	2,4
voids content, %	18-22	18-23	19-24	18-23	20-22
Cold crushing strength, MPa	20-40	25-60	40-70	50	60
Temperature of deformation under pressure 0,2MPa, °C	1300	1350	1450	1550	1560



Magnesite carbon products for steel electric furnaces

PROPERTIES	MC1096	MC1497A	MC1097A
Content of MgO, %	>83	>76	>80
Content of C, %	>10	>14	>10
voids content, %	<4	<3	<4
Bulk density, g/cm ³	>3,02	>2,98	>3,02
Cold crushing strength, MPa	>40	>35	>40
Flexural strength of hot, MPa (1400°C x 30min)	>6	>12	>14
Application	Откоси	Walls	Колонки Прегрети участъци Шлакова линия

Carbon magnesium and spinel products ladles

PROPERTIES	MC0695	MC1497A	MC1096	NC92/4M
Content of MgO, %	>87	>76	>78	>4
Content of Al ₂ O ₃ , %				>92
Content of C, %	>6	>14	>12	-
voids content, %	<8	<3	<3	<13
Bulk density, g/cm ³	>3,0	>2,98	>3,00	>3,25
Cold crushing strength, MPa	>40	>35	>40	>45
Flexural strength of hot, MPa (1400°C x 30min)	>6	>12	>6	
Application	Walls above the slag line	Walls slag line	Walls under the slag line	Walls under the slag line

Magnesite chromite products for installations of steel and vacuum furnace and aggregates in ferrous metallurgy

Наименование на показателя	BGMGE-12	BDMGE-20	SRMGE-18	SRMGE-20
Content of Cr ₂ O ₃ , %	≥12	≥20	≥18	≥20
Content of SiO ₂ , %	≤2,5	≤2,0	≤1,8	≤1,6
Content of Fe ₂ O ₃ , %	≤9	≤9	≤8	≤9
Content of Al ₂ O ₃ , %	≤6	≤6	≤5	≤6
Content of CaO, %	≤2,0	≤2,0	≤2,0	≤1,8
Content of MgO, %	≥66	≥60	≥62	≥60
Voids content , %	≤17	≤17	≤17	≤17
Bulk density, g/cm ³	3,2±0,05	3,25±0,05	3,25±0,05	3,3±0,05
Cold crushing strength, MPa	≥45	≥45	≥45	≥45



Magnesite chromite products imbued with salts boat converter for copper production

Наименование на показателя	Units	Value
Loss during tempering	%	1,0
Content of SiO ₂	%	0,95
Content of Al ₂ O ₃	%	4,16
Content of Fe ₂ O ₃	%	7,04
Content of CaO	%	0,89
Content of MgO	%	67,66
Content of Cr ₂ O ₃	%	17,96
Voids content	%	12,3
Bulk density	g/cm ³	3,19
Cold crushing strength	MPa	136,9