

RIMPEX LTD

THE WORLD OF REFRACTORIES



RAMMING MIXES AND MOULDABLES

Ready to use refractory mixes, commonly placed by ramming - manually or by means of pneumatic or electric rammers. They are composed of refractory components and a binding system.

RIMPEX Ltd. manufactures semi-dry and dry ramming mixes RIMPEXIT on the basis of fireclay, bauxite, corundum, tabular Al₂O₃, silicon carbide, quartzite, magnesia, etc. Generally the ramming mixes of RIMPEX Ltd. are used in certain zones of steel casting ladles and tundishes, blast furnace troughs, electric arc furnace roofs, industrial boilers, etc

The dry vibration mixes are used for maintenance of blast furnace runners and also for induction furnaces for iron, steel and non-ferrous metals in foundries.

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DRY RAMMING MIX FOR ELECTRIC ARC FURNACES
RIMPEXIT CHK

N^o	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1650
2.	Main component		quartzite
3.	Grain size	mm	0 - 4
4.	SiO ₂ content	%	≥97
5.	Fe ₂ O ₃ content	%	<0,3
6.	Required material for installation	t/m ³	2,1-2,2
7.	Application		cast iron and non-ferrous metallurgy

DRY RAMMING MIX FOR ELECTRIC ARC FURNACES
RIMPEXIT CHM

N^o	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1750
2.	Main components		magnesite, corundum
3.	Grain size	mm	0 - 5
4.	MgO content	%	≥67
5.	Al ₂ O ₃ content	%	≥30
6.	Required material for installation	t/m ³	2,4-2,5
7.	Application		steel industry



DRY RAMMING MIX FOR ELECTRIC ARC FURNACES
RIMPEXIT CKM

N^o	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1750
2.	Main components		corundum, magnesite
3.	Grain size	mm	0 - 5
4.	MgO content	%	≥12
5.	Al ₂ O ₃ content	%	≥86
6.	Required material for installation	t/m ³	2,5-2,6
7.	Application		steel industry

DRY RAMMING MIX FOR ELECTRIC ARC FURNACES
RIMPEXIT CHA 90

N^o	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1750
2.	Main component		corundum
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥98
5.	Required material for installation	t/m ³	2,7-2,8
6.	Application		steel industry



**SEMY-DRY RAMMING MIX
RIMPEXIT 45**

N°	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1400
2.	Main component		fireclay
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥45
5.	Cold crushing strength after 110°C x 24 h	MPa	>15
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,1
7.	Method of application		ramming

**SEMY-DRY RAMMING MIX
RIMPEXIT 70-2**

N°	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1550
2.	Main component		high alumina materials
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥60
5.	Cold crushing strength after 110°C x 24 h	MPa	≥15
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,2
7.	Method of application		ramming



SEMY-DRY RAMMING MIX
RIMPEXIT 70

N°	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1600
2.	Main component		bauxite
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥70
5.	Cold crushing strength after 110°C x 24 h	MPa	≥15
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,4
7.	Method of application		ramming

SEMY-DRY RAMMING MIX
RIMPEXIT 75

N°	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1630
2.	Main component		bauxite
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥75
5.	Cold crushing strength after 110°C x 24 h	MPa	≥15
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,5
7.	Method of application		ramming



SEMY-DRY RAMMING MIX
RIMPEXIT 80

N°	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1650
2.	Main component		corundum
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥80
5.	Cold crushing strength after 110°C x 24 h	MPa	≥20
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,65
7.	Method of application		ramming

SEMY-DRY RAMMING MIX
RIMPEXIT AL

N°	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1200
2.	Main component		fireclay
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥35
5.	Cold crushing strength after 110°C x 24 h	MPa	≥15
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,1
7.	Method of application		ramming