



Refractory castables

RIMPEX Ltd. manufactures a large variety of refractory castables with a general designation RIMPEXAL on the basis of different refractory components (fireclay, bauxite, corundum, silicon carbide, magnesia, etc.) and cements - castables with medium (MCC), low (LCC) and ultra low (ULCC) cement content as well as no cement (NCC) castables.



Content	1
REFRACTORY CASTABLE RIMPEXAL 30	2
REFRACTORY CASTABLE RIMPEXAL 35	2
REFRACTORY CASTABLE RIMPEXAL 40	3
REFRACTORY CASTABLE RIMPEXAL 35 S	3
REFRACTORY CASTABLE RIMPEXAL 45	4
REFRACTORY CASTABLE RIMPEXAL 50	4
REFRACTORY CASTABLE RIMPEXAL 60	5
REFRACTORY CASTABLE RIMPEXAL 80	5
REFRACTORY CASTABLE RIMPEXAL 80 L	6
REFRACTORY CASTABLE RIMPEXAL 80 S	6
REFRACTORY CASTABLE RIMPEXAL 90 N	7
REFRACTORY CASTABLE RIMPEXAL 90 K	7
REFRACTORY CASTABLE RIMPEXAL 95 KL	8
REFRACTORY CASTABLE RIMPEXAL 95 KTB	8
REFRACTORY CASTABLE RIMPEXAL 95 TB	9



**REFRACTORY CASTABLE
RIMPEXAL 30**

N°	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1350
2.	Main component		fireclay
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥30
5.	Cold crushing strength after 110°C x 24 h	MPa	>10
6.	Bulk density after 110°C x 24 h	g/cm ³	≥1,8
7.	Method of application		casting, vibrocasting

**REFRACTORY CASTABLE
RIMPEXAL 35**

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	%	≥35
5.	Cold crushing strength after 110°C x 24 h	MPa	>10
6.	Bulk density after 110°C x 24 h	g/cm ³	≥1,9
7.	Method of application		casting, vibrocasting



**REFRACTORY CASTABLE
RIMPEXAL 40**

Nº	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1450
2.	Main component		fireclay
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥40
5.	Cold crushing strength after 110°C x 24 h	MPa	≥15
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,0
7.	Method of application		casting, vibrocasting

**REFRACTORY CASTABLE
RIMPEXAL 35 S**

Nº	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1450
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	≥30
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,05
7.	Method of application		casting, vibrocasting



**REFRACTORY CASTABLE
RIMPEXAL 45**

Nº	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1450
2.	Main component		fireclay, bauxite
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		casting, vibrocasting

**REFRACTORY CASTABLE
RIMPEXAL 50**

Nº	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1450
2.	Main components		fireclay, high alumina materials
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥50
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		casting, vibrocasting



**REFRACTORY CASTABLE
RIMPEXAL 60**

Nº	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1450
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	≥10
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,1
7.	Method of application		casting, vibrocasting

**REFRACTORY CASTABLE
RIMPEXAL 80**

Nº	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	%	≥80
5.	Cold crushing strength after 110°C x 24 h	MPa	≥25
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,5
7.	Method of application		casting, vibrocasting



**REFRACTORY CASTABLE
RIMPEXAL 80 L**

Nº	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	%	≥80
5.	Cold crushing strength after 110°C x 24 h	MPa	≥50
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,7
7.	Method of application		casting, vibrocasting

**REFRACTORY CASTABLE
RIMPEXAL 80 S**

Nº	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	%	≥80
5.	Cold crushing strength after 110°C x 24 h	MPa	≥40
6.	Bulk density after 110°C x 24 h	g/cm ³	≥2,6
7.	Method of application		casting, vibrocasting



**REFRACTORY CASTABLE
RIMPEXAL 90 N**

Nº	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1700
2.	Main component		corundum
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥90
5.	Cold crushing strength after 110°C x 24 h	MPa	≥35
6.	Bulk density after 110°C x 24 h	g/cm ³	≥3,0
7.	Method of application		casting, vibrocasting

**REFRACTORY CASTABLE
RIMPEXAL 90 K**

Nº	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	%	≥95
5.	Cold crushing strength after 110°C x 24 h	MPa	≥35
6.	Bulk density after 110°C x 24 h	g/cm ³	≥3,0
7.	Method of application		casting, vibrocasting



**REFRACTORY CASTABLE
RIMPEXAL 95 KL**

Nº	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	%	≥95
5.	Cold crushing strength after 110°C x 24 h	MPa	≥45
6.	Bulk density after 110°C x 24 h	g/cm ³	≥3,05
7.	Method of application		casting, vibrocasting

**REFRACTORY CASTABLE
RIMPEXAL 95 KTB**

Nº	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1800
2.	Main components		corundum, tabular Al ₂ O ₃
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥95
5.	Cold crushing strength after 110°C x 24 h	MPa	≥45
6.	Bulk density after 110°C x 24 h	g/cm ³	≥3,0
7.	Method of application		casting, vibrocasting



REFRACTORY CASTABLE
RIMPEXAL 95 TB

Nº	PROPERTIES	UNIT	VALUE
1.	Maximum application temperature	°C	1800
2.	Main component		tabular Al ₂ O ₃
3.	Grain size	mm	0 - 5
4.	Al ₂ O ₃ content	%	≥97
5.	Cold crushing strength after 110°C x 24 h	MPa	≥45
6.	Bulk density after 110°C x 24 h	g/cm ³	≥3,0
7.	Method of application		casting, vibrocasting