

R-MAX MP

R-MAX MP is a 1250°C high performance castable designed to provide maximum abrasion resistance and superior ease of installation. The product's zero-slump and soft "easy to install" texture results in high, handpack installation rates. Handpacked data:

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1250°C)

BULK DENSITY

@ 110°C	173 - 180	LBS/FT ³	2770 - 2880	KG/M ³
@ 815°C	171 - 177	LBS/FT ³	2740 - 2835	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	19000 - 30000	P.S.I.	1310 - 2070	KG/CM ²
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PERMANENT LINEAR CHANGE

Green to dried @ 110°C	0.0 TO - 0.1 %
@ 815°C	0.0 TO - 0.4 %

EROSION LOSS (ASTM C-704)

Less than 3 cc (Typically 2.5cc)

TYPICAL CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 260°C	20.0	2.88
@ 540°C	18.8	2.71

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	P ₂ O ₅
83.7	7.6	1.2	2.6	0.1	2.1	1.4

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet

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GUNNED DATA

Data shown are average results of tests following the guidelines set forth in ASTM C-903 "Preparing Refractory Concrete Specimens by Cold Gunning".

BULK DENSITY

@ 110°C	166 - 172	LBS/FT ³	2660 - 2755	KG/M ³
@ 815°C	163 - 168	LBS/FT ³	2610 - 2690	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	15000 - 22000	P.S.I.	1035 - 1520	KG/CM ²
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PERMANENT LINEAR CHANGE

@ 815°C	- 0.0 TO - 0.4 %
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EROSION LOSS ASTM C-704

LESS THAN 5.0 CC