



Fedram 42

DESCRIPTION: Clay-based ramming mix for quick repairs of refractory linings

USES INCLUDE: EAF spouts
Tundish safety linings
Ladle safety linings
Reheat furnaces

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

Al ₂ O ₃	42.6 %
SiO ₂	53.5 %
Fe ₂ O ₃	0.97 %
TiO ₂	1.6 %
CaO	0.1 %
MgO	0.05 %
Alkalies	1.17 %

TYPICAL AS RECEIVED PROPERTIES:

	Bulk Density PCF(g/cc)	Cold MOR psi(MPa)	Total Linear Change (%)
220 °F/104 °C	131(2.1)	1,250(8)	-0.45
1500 °F/815 °C	131(2.1)	1,600(11)	-0.25
2500 °F/1370 °C	133(2.13)	1,850(13)	+1.4
2800 °F/1538 °C	137(2.19)	3,750(25)	-1.45

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally, and as a function of size and shape. This form is not intended to be used for purposes of specification, it is informational only.

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