



HOT FACE INSULATION BRICKS

DATA SHEET

April-19

SR NO.	PARTICULARS	MICA	MICA	MICA	LIGHT WEIGHT FIRE CLAY			HIGH ALUMINA	HIGH C.C.S. SILICA	SILICA
		RRM 500	RRM 600	MICA 700	CF	HF	RRHF	RR HFK	RRHS	RRSI
1	Bulk Density gm/ cc	0.475-0.53	0.57-0.63	0.700	0.75-0.80	0.85-0.95	1.0-1.1	1.0-1.2	1.1-1.2	0.8-0.9
2	Apparent Porosity % min.	80	75	72	70	65	60	55	55	65
3	Cold Compressive Strength Kg/cm ² min.	7	9	12	15	18	40	40	80	15
4	Thermal conductivity in K.cal/ m/ hr/oCo.14	0.14	0.16	0.18	0.19	0.25	0.30	0.40	0.40	0.25
5	P.L.C. % at °C for 5 hours max	(-)1.5at 950°C	(-)1.5at 1000°C	(-)1.5at 1000°C	(-)1.5at 1000°C	(-)1.5at 1100°C	(-)1.5at 1200°C	(+)1.5at 1200°C	(-)1.5at 1200°C	(-)1.5at 1100°C
6	Maximum Sage Working Temp.°C Min.°	1000	1050	1050	1100	1200	1300	1400	1350	1100
7	P.C.E. min OC	-	-	-	-	27	30	32	30	-
8	Al ₂ O ₃ % min.	-	-	-	28	30	35	40	18	18