



Technical Data Sheet High Alumina Plastic Refractory Castables

Product Name		Ultra Ram- 60	Ultra Ram- 90
Type Of Bond		Chemical/ Ceramic	Chemical/ Ceramic
Max. recommended Temp.°C		1550	1650
Material required (Kg/m ³)		2300	2550
Maximum grain size (mm)		5	5
Water required for installation (%)		10	10
Installation method		Pneumatic Ramming	Pneumatic Ramming
Chemical Properties	AL ₂ O ₃	58- 60	85- 90
	Fe ₂ O ₃	1.0- 1.5	1.0- 1.5
Bulk density at 250°C/ 24hrs (gm/cm ³)		2.15- 2.30	2.4- 2.6
Cold Crushing strength (MPa)	at 250°C/24 hrs.	20- 30	20- 40
	at 800°C/3hrs.	30- 45	35- 50
	at 1200°C/3 hrs.	40- 50	45- 60
Perm. Linear Change %	at 800°C/3 hrs.	±0.5	±0.3
	at 1200°C/3 hrs.	±0.8	±0.8
Packaging		HDPE/ Paper Bags or Big bags	HDPE/ Paper Bags or Big bags
State Of Delivery		Dry	Dry
Shelf Life (storage in dry conditions)		9 months	9 months