

LOW CEMENT CASTABLES (CALCINED BAUXITE & FUSED ALUMINA BASED)



CUMIHICAST

CHARACTERISTICS	UNIT	CUMIHICAST EXTRA	CUMIHICAST 90	CUMIHICAST 90 AR	CUMIHICAST 95	CUMIHICAST 95 R
Maximum Service Temperature	°C	1700	1700	1800	1800	1800
Maximum Grain Size	mm	6	6	6	6	6
Bulk Density Dried at 110°C/ 24 hrs	gm/ cc,min	2.80	2.90	2.80	3.00	3.10
Cold Crushing Strength	Kg/ cm ²					
Dried at 110°C/ 24 hrs	min.	800	850	800	950	1000
Fired at 1000°C/ 3 hrs	min.	1100	1000	900	1100	1230
Fired at 1550°C/ 3 hrs	min.	1200	1200	1000	1250	1500
Permanent Linear Change	%					
Fired at 1000°C/ 3 hrs	max.	± 0.30	± 0.30	± 0.20	± 0.20	± 0.20
Fired at 1550°C/ 3 hrs	max.	± 0.80	± 0.80	-	± 0.70	± 0.50
Recommended Water Addition (By wt)	%	4.5 - 5.5	4.0 - 5.0	4.0 - 5.0	3.5 - 5.0	3.5 - 4.5
Chemical Analysis	%					
Al ₂ O ₃	min.	80.0	88.0	84.0	94.0	94.0
SiO ₂	max.	8.00	7.00	-	4.00	-
Fe ₂ O ₃	max.	1.50	1.00	1.50	0.30	0.10
Abrasion Resistance	(cc max)	-	-	3	-	-

Shelf Life : 6 months from the date of manufacture

Packing : In 50 Kg LDPE lined HDPE bags

Note : Water requirements indicated are based on laboratory test conditions.

Actual water requirement may vary subject to site conditions.

The properties shown are for vibratory cast material only unless specified otherwise.



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