



SEMICAST L45

Description: High Strength, Low Thermal Conductivity, Excellent volume stability. Recommended for Various industrial furnaces, Chemical & Petrochemical Industries and as backup for other refractories. suitable for greater mechanical abuse and higher temperatures. Combines good strength with high insulating value

Type of Material:	Light Weight Bauxite Based Conventional Castable
Bonding System:	Hydraulic
Raw Material Base:	Bauxite – High Quality Cement- Lightweight aggregates
Max Service Temperature:	1350 ^o C
Installation Method:	Casting - Troweling
Grain Size:	0-5 mm
Dry Material Required:	1.6 ton/m ³
Drinking Water Required on site:	32-35%

Main Chemical Composition based on Raw Materials

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO
45-47	32-35	6-7	11-13

Physical Properties

	Bulk Density (gr/cm ³)	PLC (%)	CCS (Mpa)	MOR (Mpa)
After Drying @ 110 ^o C/24 hrs.	<1.80	-	>20	10-15
After Firing @ 1250 ^o C / 3 hrs.	<1.70	+/-1	>20	10-15

Drying and Heating: Hold for 24 hours before removing molds, dry at 110^oC for 24-36 hours. heating to working temperature at 25-50^oC/h.

Packing: 25 kg Multi wall water proof sacks. Palletized 48 sacks per pallets. Protected with stretch wrap or Big Bag.

Storage: Beyond 9 months is not recommended. Store in dry location.

Note: The above-mentioned data represent typical values obtained from current production using ASTM standard and are subject to normal variation or individual tests. This result cannot be considered min or max for specific purposes.



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