SEMICAST 45 LI





ت . (مانی خانی)

Description: a refractory Castable consisting of Calcined Abrasion Resistance aggregates bonded with Low Iron Calcium Aluminate Cement. Developed for use in equipment such in cement or steel industries & etc. Adaptable for casting or troweling. Excellent Strength Throughout its entire temperature range, High resistance to mechanical impact and abrasion.

Type of Material:	Dense Fireclay Based Regular Castable		
Bonding System:	Hydraulic		
Raw Material Base:	Chamotte – Low Iron Quality Cement		
Max Service Temperature:	1450° ^C		
Installation Method:	Casting - Troweling		
Grain Size:	0-6 mm		
Dry Material Required:	2.05 ton/m ³		
Drinking Water Required on site:	11-13%		

Main Chemical Composition based on Raw Material

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO
45-48	35-37	2-3	9-11

Physical Properties

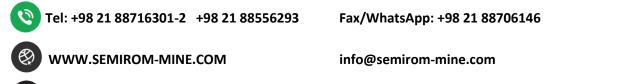
	Bulk Density (gr/cm ³)	PLC (%)	CCS (Mpa)	MOR (Mpa)
After Drying @ 110 ^{oc} /24 hrs.	<2.2	-	40-50	6-10
After Firing @ 1250 ^{oc} / 3 hrs.	<2.15	0-1	>25	6-10
After Firing @ 1350 ^{oc} / 3 hrs.	>2.15	0-1	>30	5-10

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

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

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.



Head Office: 5th floor- No 82- 31st Avenue – Ebnesina street – Yousef Abad – Tehran - IRAN