

Iran Refractory Cements co.

Product Data sheet

Calcium Aluminate CHEGHER



Basic Features	<ul style="list-style-type: none">- Chegher is a pre-packaged ready to use high strength Castable, Made by blending IRC40 cement and its own aggregates.- High strength, abrasion and impact resistance.- Corrosion resistance: Industrial wastewater, sulfates and dilute acids.- Heat and thermal shock resistance.					
Physical Properties	Description	Unit	Quantity			
	Cold crushing strength moist cured at 20°C.	N/mm ²	After 24 hours	After 28 days	After drying 110°C	After firing 800°C
			Min 55	Min 78	Min 70	Min 50
	Modulus Of Rapture	N/mm ²	Min 10	10.5	10	6.4
	Permanent Linear Change Based on cast dimensions	%	-0.03	-0.08	-0.04	-0.04
Abrasion/Erosion test weight loss	%	At least 4 times less than Portland cement and hard aggregate concrete				
Chemical Analysis	Al ₂ O ₃	%	36-40			
	SiO ₂	%	4-7			
	CaO	%	35-39			
	Fe ₂ O ₃	%	14-18			
Application Methods	<ul style="list-style-type: none">- Dry mix required: 2600-2800 Kg/m³.- Approximate amount of water required for pouring: 8 Liter / 100 Kg- Adjustable for using by shotcrete method.					
Additional Information	<ul style="list-style-type: none">- CHEGHER is available in bags/sacks of 50,250,400 or 1500 Kg as per request .- As with all prepackaged concretes, it is recommended that CHEGHER not be placed outdoors or in direct contact with the ground.- When correctly stored in dry conditions, the properties of CHEGHER will remain within specification limit for at least 6 months. In most cases, its properties will be retained for over a year.					

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No. 8 4th st. phase 2 Mobarake Industrial zone Esfahan Iran

www.ircement.com - +98 315237 3306 , +98 315237 3839