

## TECHNICAL DATASHEET



**A F T A B**  
آفتاب تجارت امن بین الملل

### Calcium Aluminate Cement CAC70

#### CHARACTERISTICS

Physical Characteristics	Unit	Min	Max
Initial Setting Time	min	180	
Final Setting Time	min		400
Flow at 30 min	%	40	
Compressive strength at 6 hr	MPa	8.5	
Compressive strength at 24 hr	MPa	31	
Blaine Fineness	cm <sup>2</sup> /g	3800	4400
Bulk Density	g/cm <sup>3</sup>	1.03	1.25
Residue at 170 Mesh (+90 microns)	%		5
Chemical Characteristics	Unit	Min	Max
Al <sub>2</sub> O <sub>3</sub>	%	68.5	
CaO	%		31
SiO <sub>2</sub>	%		0.8
Fe <sub>2</sub> O <sub>3</sub>	%		0.3
Na <sub>2</sub> O+ K <sub>2</sub> O	%		0.45

#### PRODUCT INFORMATION

CAC70 is a high purity calcium aluminate with approximately 70 percent alumina content. This product is mainly used in refractory industry.

Valid After : 2024 /08

### Calcium Aluminate Cement CAC80

#### CHARACTERISTICS

Physical Characteristics	Unit	Min	Max
Initial Setting Time	min	90	
Final Setting Time	min		330
Flow at 30 min	%	30	
Compressive strength at 6 hr	MPa	1	
Compressive strength at 24 hr	MPa	17	
Blaine Fineness	cm <sup>2</sup> /g	7500	10000
Bulk Density	g/cm <sup>3</sup>	0.88	1.12
Residue at 170 Mesh (+90 microns)	%		5
Chemical Characteristics	Unit	Min	Max
Al <sub>2</sub> O <sub>3</sub>	%	78	
CaO	%		20.5
SiO <sub>2</sub>	%		0.4
Fe <sub>2</sub> O <sub>3</sub>	%		0.2
Na <sub>2</sub> O+ K <sub>2</sub> O	%		0.5

#### PRODUCT INFORMATION

CAC80 is a high purity calcium aluminate with approximately 80 percent alumina content. This product is mainly used in refractory and catalyst industry

Valid After : 2024 /08