

Product Specification Sheet

Alumina Cement

[Chart 1]

No. SMRP017-0

Other Names		High Alumina Cement, Refractory Cement, Aluminous cement		
Items/Grades		CA50-525	CA50-725	CA50-925
Chemical Compositions (%)	Al ₂ O ₃	50-55	50-55	53-55
	CaO	33-35	33-35	33-35
	Fe ₂ O ₃	<=3	<=3	<=2.5
	SiO ₂	<=9	<=9	<=7
Specific Surface Area (cm ² /g)		>=3,000	>=3,000	>=4,000
Initial Setting Time		>=30 minutes	>=30 minutes	>=1 hour 30 minutes
Final Setting Time		<=6 hours	<=6 hours	<=6 hours
Bending Strength	1day, Mpa	>=5.5	>=6.5	>=8
	3day, Mpa	>=6.5	>=7.5	>=10
Compressive Strength	1day, Mpa	>=40	>=50	>=70
	3day, Mpa	>=50	>=60	>=80
Packing		25kg in one paper bag and 1,000-1,250kg in one jumbo bag, 20-25MT in 1x20'fcl		

[Chart 2]

No. SMRP017-0

Items		CA-70G	CA-75G	CA-80G
Chemical Compositions (%)	Al ₂ O ₃	68-72	73-75	>=77
	SiO ₂	<=1	<=1	<=0.5
	Fe ₂ O ₃	<=0.7	<=0.7	<=0.3
	R ₂ O	<=0.4	<=0.4	<=0.4
Specific Surface Area (cm ² /g)		>=5,500	>=6,500	>=7,000
Initial Setting Time		>=30 minutes	>=30 minutes	>=30 minutes
Final Setting Time		<=6 hours	<=6 hours	<=6 hours
Bending Strength	1day, Mpa	>=5.5	>=5.5	>=4.5
	3day, Mpa	>=6.5	>=6.5	>=5.5
Compressive Strength	1day, Mpa	>=35	>=35	>=30
	3day, Mpa	>=45	>=45	>=35
Packing		25kg in one paper bag and 1,000-1,250kg in one jumbo bag, 20-25MT in 1x20'fcl		

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