

Technical Data Sheet



PRODUCT: CA70

Products	Usual rang	Specification limit
Workable time		Moderate
Chemical composition(%)		
SiO ₂	0.2-0.7	≤1.0
Al ₂ O ₃	68.5-70.5	≥68
Fe ₂ O ₃	0.1-0.5	≤0.7
CaO	28.5-29.5	-
R ₂ O	-	≤0.4
S-	-	≤0.1
Cl-	-	≤0.06
Fineness		
d50(μm)	11-14	≤14
325M(%)	-	≤8.0
Specific Surface Area S (m ² /kg)	380-420	≥350
Setting time(min)		
Initial Setting Time (IS)	180-240	≥150
Final Setting Time (FS)	240-300	≤360
Flexural strength(Mpa)		
1d	9.0-11.0	≥5.0
3d	11.0-12.0	≥6.0
Compressive strength(Mpa)		
1d	45-55	≥30
3d	55-65	≥40
Mineral Phase Composition		
Main Mineral Phase		CA、CA ₂
Secondary Mineral Phases		C12A7、Aα
Physical Indicators		
Refractoriness		1580-1620℃
Bulk Density		850-950kg/m ³
Specific Gravity		2.9-3.1g/cm ³