

# Technical Data Sheet



## PRODUCT: CA80

Products	Usual rang	Specification limit
Workable time		Short
<b>Chemical composition(%)</b>		
SiO <sub>2</sub>	0.1-0.4	≤0.5
Al <sub>2</sub> O <sub>3</sub>	78.0-80.0	≥77
Fe <sub>2</sub> O <sub>3</sub>	0.1-0.4	≤0.5
CaO	18.5-20.5	-
R <sub>2</sub> O	-	≤0.4
S-	-	≤0.1
Cl-	-	≤0.06
<b>Fineness</b>		
d <sub>50</sub> (μm)	5-8	≤9
325M(%)	-	≤5.0
Specific Surface Area S (m <sup>2</sup> /kg)	450-500	≥450
<b>Setting time(min)</b>		
Initial Setting Time (IS)	150-210	≥30
Final Setting Time (FS)	210-270	≤300
<b>Flexural strength(Mpa)</b>		
1d	6.0-8.0	≥4.0
3d	7.0-9.0	≥5.0
<b>Compressive strength(Mpa)</b>		
1d	40-50	≥25
3d	50-60	≥30
<b>Mineral Phase Composition</b>		
Main Mineral Phase	CA, CA <sub>2</sub> , Ad	
Secondary Mineral Phases	C <sub>12</sub> A <sub>7</sub>	
<b>Physical Indicators</b>		
Refractoriness	1750-1800°C	
Bulk Density	800-900kg/m <sup>3</sup>	
Specific Gravity	3.1-3.2g/cm <sup>3</sup>	