



CSA Cement 62.5, 72.5



I. Introduction of Calcium Sulphoaluminate Cement 62.5, 72.5

Calcium Sulphoaluminate cement is made from limestone, bauxite and gypsum with proper composition, calcined at low temperature (1300 ~ 1350 °C) and composed of anhydrous calcium sulphoaluminate (C4A3S) and dicalcium silicate (C2S) as the main minerals. It is mixed with proper amount of admixture (gypsum and limestone, etc.) and grinded together. It has a series of excellent hydraulic properties such as early strength, rapid hardening and low alkalinity. Calcium Sulphoaluminate cement can be divided into 62.5 and 72.5 grades according to 3 days compressive strength.

II. Characteristics

- Early-strength and high-strength performance: The compressive strength of CSA cement mortar can reach 30-40MPa in 12 hours, and the marked strength can be reached in 3 days.
- High frost resistance: used at a low temperature of 0 °C ~ 10 °C, the early strength is 5 ~ 8 times that of Portland cement
- High corrosion resistance: Calcium Sulphoaluminate cement is superior to high sulphoaluminate Portland cement and high alumina cement from 2-year corrosion resistance laboratory results.

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- High impermeability: the structure of the two grades of cement is relatively compact, which is 2-3 times of that of Portland cement concrete with the same grade.

III. Technical index

Grade	Item						
	Specific surface area (M ² /KG)	Setting time		Compressing strength, MPa		Bending strength, MPa	
		Initial setting time, min	Final setting time, min	1 day	3 days	1 day	3 days
62.5	500±20	5-13	15-30	≥40	≥62.5	>6.0	>8.0
72.5	500±20	18-25	25-40	≥50	≥72.5	>7.0	>9.0

IV. Application

Preparation of fast-hardening and early-strength dry-mix mortar

Sand prevention dike in marine engineering

Winter construction works

Production of cement products and concrete precast parts

Preparation of shrinkage-compensating concrete and impermeability engineering

V. Packing

50kg small bag or ton bag.

