



Calcium Sulfoaluminate Cements

Foamed concrete has proven to be an effective alternative to granular fills and is now widely used internationally. With increasing demand for lightweight materials for buildings in order to improve sustainability, foamed concrete has also developed as an ideal material for this purpose, and many countries utilize construction with precast foamed concrete blocks.

Our company can supply the main raw materials for the foamed concrete or lightweight concrete. This special cement is calcium sulfoaluminate cement.

The main characters of the calcium sulfoaluminate cements

1. Fast setting
2. Rapid Hardening
3. High early strength and bonding
4. Shrinkage compensation

Due to above mentioned characters, the Calcium Sulfoaluminate cements can be applied in the production of foamed concrete where rapid demoulding increases the productivity and profitability.

Use our Calcium Sulfoaluminate cements (CSA cements), the density of the foamed concrete products can be lower than 300kg/m³.

The Calcium Sulfoaluminate Cements can part or 100% replace of the OPC.

Main specifications of the calcium sulfoaluminate cements for foamed concrete applications is as below

Executive standard		GB20472 2006			
Fineness	Specific surface area, m ² /kg		350±20		
Setting time	Initial setting		min	12-30	
	Final setting		min	20-50	
Strength, Mpa	Compressive strength		1d	≥30	
			3d	≥42.5	
	Bending Strength		1d	≥6.0	
			3d	≥6.5	
Chemical composition %	SiO ₂	Al ₂ O ₃	CaO	SO ₃	
	<12.5	≥28%	<47	7.0-8.5	