



Engineered Hi-Belite CSA Cement

Engineered Calcium Sulfoaluminate (CSA) Cement

DESCRIPTION

Engineered Hi-Belite CSA Cement is a finely ground engineered hydraulic binder based on calcium sulfoaluminate clinker. The formulation does not require the addition of Portland cement, high alumina cement, calcium sulfate, or other binders. It offers rapid setting, fast strength development, low shrinkage, and reduced internal stress, resulting in excellent crack resistance. Compared with conventional cement systems, it provides improved workability, reduced heat of hydration, higher impermeability, and enhanced corrosion resistance.

KEY FEATURES

- Rapid setting and early strength development
- Low shrinkage and reduced internal stress
- Excellent crack resistance
- Reduced heat of hydration
- Improved impermeability and durability
- Good workability compared to conventional cement systems

APPLICATIONS

- Self-levelling underlayments
- Floor screeds
- Tile adhesives
- Repair mortars
- Decorative mortars
- Pumpable grouts
- High-performance concrete and cementitious systems

TYPICAL SPECIFICATIONS

Parameter	Specification
Blaine Fineness	$\geq 400 \text{ m}^2/\text{kg}$
Setting Time – Initial	$\sim 15 \text{ min}$
Setting Time – Final	$\sim 60 \text{ min}$
Expansion @ 28 days (in water)	$\leq 0.15 \%$
Expansion @ 28 days (in air)	$< -0.5 \%$
Compressive Strength (6 h)	$\geq 12.5 \text{ MPa}$
Compressive Strength (7 d)	$\geq 35 \text{ MPa}$
Compressive Strength (28 d)	$\geq 42.5 \text{ MPa}$
Flexural Strength (6 h)	$\geq 12.5 \text{ MPa}$
Flexural Strength (7 d)	$\geq 35 \text{ MPa}$
Flexural Strength (28 d)	$\geq 42.5 \text{ MPa}$



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

Available in 50 kg bags, 1200 kg, and 1250 kg super sacks.

STORAGE & HANDLING

Store in a cool, dry environment away from moisture. When stored under recommended conditions, the product has a shelf life of 6 months from the date of manufacture.

SAFETY

Information on toxicity, safe handling, storage, and disposal is provided in the corresponding Safety Data Sheet (SDS). Refer to the SDS before use.