



Microcementi™ ACA Cement

DESCRIPTION

Microcementi™ ACA Cement is a fine calcium aluminate cement designed for rapid strength development and high early performance in cementitious systems. Its chemistry is suited to fast setting and early hardness, making it ideal for time critical repair works, rapid setting mortars, and refractory or heat resistant cement formulations. Supplied as a fine powder, it disperses readily in dry blends and supports consistent mixing and application when used at appropriate replacement dosages.

APPLICATIONS

- Rapid-setting cementitious systems
- Repair mortars and patching materials
- Refractory cements

USAGE GUIDELINES

Microcementi™ ACA should be dry-blended with cement and other dry materials at a replacement dosage of 5.0–10.0% of Portland cement content. A retarder such as sodium citrate or citric acid may be required to ensure adequate workability. The optimal dosage should be determined through laboratory and field trials prior to production use.

TYPICAL SPECIFICATIONS

Parameter	Specification
Density (g/cm ³)	~3.0
Specific surface area (Blaine, cm ² /g)	≤ 5200
CaO (%)	47.0 – 49.0
SiO ₂ (%)	≤ 4.0
Fe ₂ O ₃ (%)	≤ 2.0
Al ₂ O ₃ (%)	≥ 44.0

Values shown are typical properties and are not to be considered as guaranteed specifications.



**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

- 25 kg bags
- 1000 kg super sacks

STORAGE & HANDLING

Store in a dry, well-ventilated area, away from direct sunlight. Keep sealed in original packaging to avoid moisture ingress.

SAFETY

- Avoid inhalation of dust; use suitable respiratory protection.
- Prevent contact with eyes and skin; wear protective equipment.
- Refer to the Safety Data Sheet (SDS) for detailed handling instructions.