MICROCEMENTI™ CSA Binder Type III

Calcium Sulfoaluminate Binder

MICROCEMENTI™ CSA Binder Type III is a high-performance calcium sulfoaluminate-based binder produced by calcining bauxite with calcium sulfate and other reactive materials. When blended in ternary systems with gypsum and Portland cement, it delivers ultra-rapid setting, high early strength, sulfate resistance, low shrinkage, and long-term durability. It is an ideal component for fast-track construction and specialty grouting formulations.

KEY FEATURES

- Ultra-rapid setting and early strength development
- Excellent sulfate resistance and durability
- Low shrinkage and expansion control
- Suitable for low-temperature or time-sensitive applications
- Can be formulated with OPC and gypsum in ternary blends

APPLICATIONS

- Non-shrink and anchor bolt grouts
- Top-down grouting
- Pumpable and repair grouts
- Self-levelling flooring compounds
- Fast-setting mortars for infrastructure and industrial repair

TYPICAL CHEMICAL COMPOSITION

Component	Specification
SiO_2	8.0 – 10.0%
Al_2O_3	≥ 33.0%
Fe_2O_3	≤ 4.5%
CaO	41.0 – 44.0%
MgO	< 3.0%
TiO_2	< 2.0%
SO_3	7.5 – 10.0%

Note: Values are typical and not intended as product specifications.

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Specialty Chemical Experts

LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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Chemport Pty Ltd shall not be liable for any direct, indirect, or consequential loss or damage arising from the use of this product or reliance on the information provided in this document. Users should refer to the current Safety Data Sheet (SDS) and perform their own evaluations, including any necessary testing, to confirm the product's suitability for use in their particular conditions.

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

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PACKAGING

Available in:
25 kg bags
1,200 kg bulk bags
Custom packaging available upon request.

STORAGE & SHELF LIFE

Store in dry conditions, away from moisture and humidity. Product is sensitive to atmospheric CO2 and moisture. Shelf life is 6 months from date of manufacture in original, unopened packaging.

SAFETY

Wear protective gear and avoid inhalation of dust. Refer to the Safety Data Sheet (SDS) for detailed handling, exposure, and disposal guidelines.