



ReAct™ Blend

LC³ Enabled

Usages

VC³: Vaterite Calcined Clay Cement

VC²: Blended SCM of Vaterite and Calcined Clay

Compressive Strengths

Increased Early-Age Strength

Workability

Improved workability; decreases high-range water reducer demand.

Durability

Better Sulfate Resistance

Cement Replacement

15–25%

ASTM

C595 or C1157

ReAct is a white reactive calcium carbonate that offers cement producers a unique opportunity, an additional cementitious material on site.

+ Business Applications

Ready-mix concrete, precast components, mortars such as tile adhesives, and building chemistry applications.

+ Key Benefits

Improved Particle Packing

More Homogeneous Cement Paste Microstructure

Water Reduction

Improved Workability & Lower Permeability

Enhanced Degree of Hydration

Increased Early-Age Strength

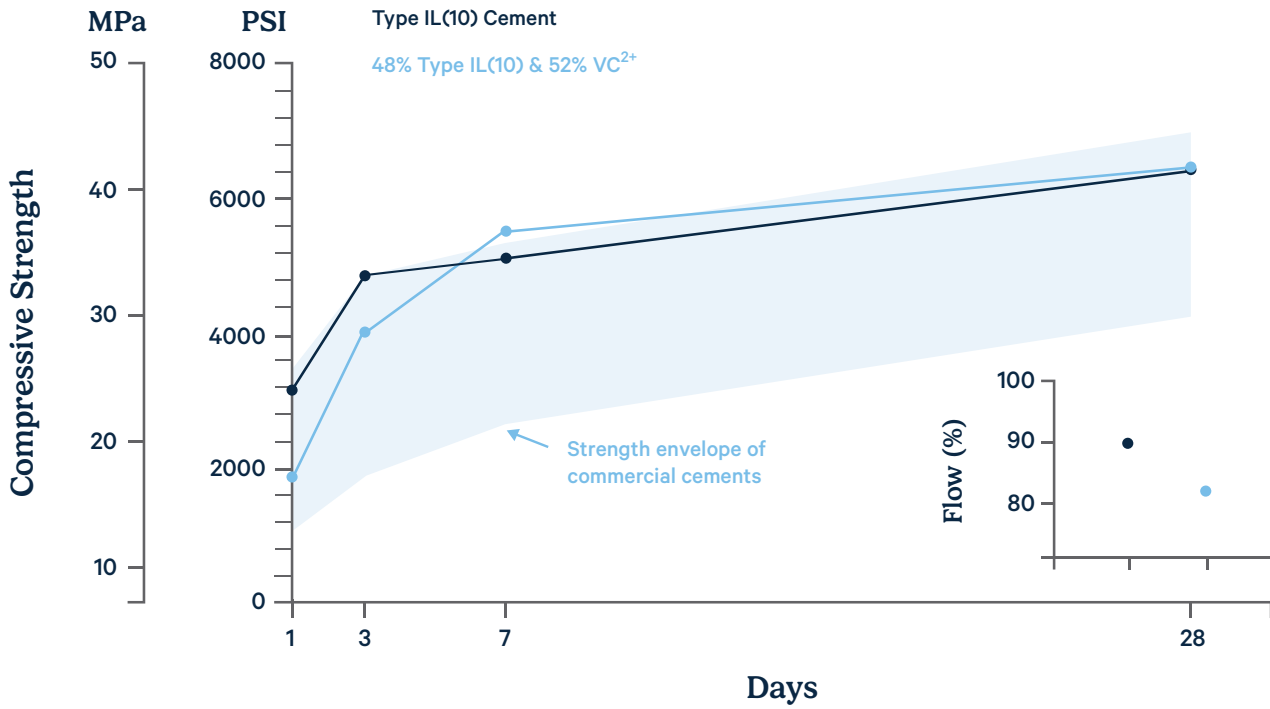
Reduced Carbon Intensity of Binder

Easy to Blend and Handle

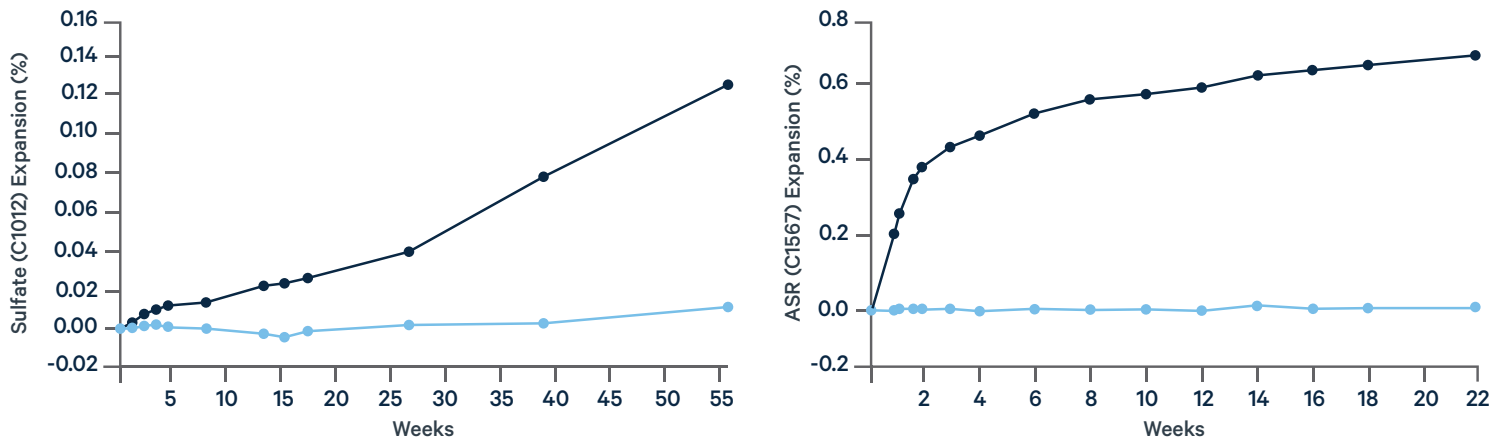
+ Available 2024 Q1

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The vaterite-calcined clay pre-blend allows clinker cut < 50% and increases early-age strength.



VC³ cements demonstrate exceptional longterm durability. Expansion due to sulfate attack or alkali-silica reaction (ASR) is eliminated.