



ReAct is a highly engineered green cement product that is developed through Fortera's patented ReCarb® process. The ReCarb process mineralizes CO₂ into cementitious product solutions that can be tailored to cement producers' business needs and market requirements.

ReAct Blend



Fineness and morphology are designed to increase packing efficiency, accelerate cement hydration, and improve workability.

Typical Physical Properties

BET Surface Area (m ² /g)	5 – 7
D ₁₀ (µm)	2.5 – 4
D ₅₀ (µm)	5 – 7.5
D ₉₀ (µm)	9 – 12

Key Benefits

- Cost-effective replacement for Portland cement and SCMs
- Improved rheology, lowered water demand and better finishability
- Higher early-age strength
- Reduced shrinkage and higher bulk resistivity
- Lower CO₂

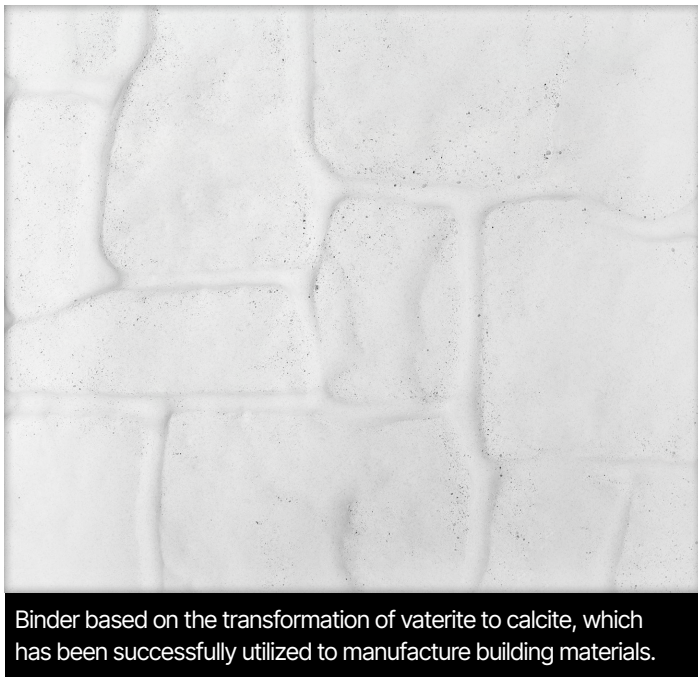
Applications

- Portland Limestone Cement
- PLC Extender
- LC³ Enabled
- Slag Extender
- Fly Ash Extender

ASTM

C150, C595, C1157, C1797

ReAct Cement



Binder based on the transformation of vaterite to calcite, which has been successfully utilized to manufacture building materials.

Typical Physical Properties

BET Surface Area (m ² /g)	1 – 3
D ₁₀ (µm)	7 – 10
D ₅₀ (µm)	14 – 18
D ₉₀ (µm)	23 – 28

Key Benefits

- Faster strength gain
- Improved durability
- Bright white color
- High CO₂ avoidance
- Lower water usage

Applications

- Ready-Mix concrete
- Precast concrete
- Manufactured building materials

ASTM

C1157

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