ReAct Blend

Portland Limestone Cement

Usages
Portland Cement
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Compressive Strengths
Higher strengths than traditional Type IL (10)
Match OPC performance @ 15% replacement

Set Times
Within 15 Minutes of Portland Cement

Workability
Increase Flow Compared to OPC & PLC

Cement Replacement
5–15%

ASTM
C150, C595 or C1157

ReAct Blend is a white reactive calcium carbonate that offers cement producers the ability to produce an additional cementitious material on site.

Business Applications
Structural concrete applications such as ready-mix, precast, and paving.

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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**Type I/II Portland Cement**

10% of ReAct Blend in cement replacement of Type I/II allows high early-age strength development at 1-3-7 days with a better flow.

![Compressive Strength vs. Days for Type I/II Cement](image)

**Type II/V Portland Cement**

15% of ReAct Blend in cement replacement of Type II/V allows high early-age strength development at 1-3-7 days with a better flow.

![Compressive Strength vs. Days for Type II/V Cement](image)

Fortera Lab follows ASTM testing protocols for construction materials