ProZERO™ for Ready Mix Producers

What is ProZERO™?

ProZERO™ is a supplemental blend, a concentrated GWP reducer, that replaces a portion of your SCM, i.e. fly ash or slag. ProZERO™ is designed for producers who need to meet the demand for a low embodied carbon ready-mix design that still works in the real world. It reduces embodied carbon while maintaining workable, field-proven performance.

NOTE: ProZERO™ is not an SCM or a blended cement

At a Glance

- Replaces a portion of cementicious material up to 40%
- Compatible with existing batching, handling, and supplier workflows
- Field tested across multiple concrete applications throughout the U.S.
- Capable of achieving carbon-negative concrete

Why Suppliers Use It

- Lower embodied carbon at targeted replacement levels
- Concentrated solution — a small % replacement achieves meaningful carbon reduction goals
- Finishability superior to conventional mixes
- 5% ProZERO™ replacement provides equivalent GWP reduction to 25% Fly Ash replacement

ASTM Compliance

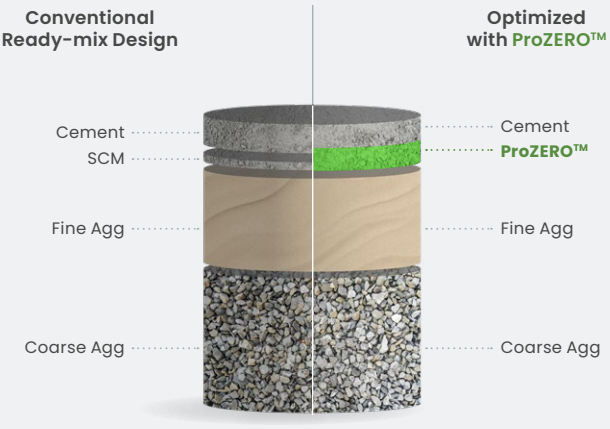
Application	Standard
Ready Mix	ASTM C1157

Estimated GWP Reduction from a CEM I Baseline

CEM I Replacement	Estimated GWP Reduction
10%	35%
20%	64%
30%	92%
40%	**121%**

Carbon Negative

*Carbon reduction in chart is relative to a CEM I baseline
GWP = lbs CO_2 per cubic yard



Supplier & Ready-Mix
Frequently Asked Questions

What's the dosage of ProZERO™ needed for a typical mix?

Dosage is based on project goals and mix specifications. For ready-mix producers, this is typically set by targeted cementicious replacement levels (10–40%). We work with suppliers to determine the appropriate replacement percentage needed to meet targeted GWP and carbon reduction goals within your local market.

Who does the testing prior to a pour?

We recommend that you or your lab conduct testing using your own materials and placement practices. We provide mix guidance and technical support throughout the process.

What do our ready-mix suppliers need to do to integrate your product into our mixes?

ProZERO™ integrates similarly to other OPC replacements (slag, natural pozzolan, fly ash, limestone, etc.). Suppliers can use existing handling and batching practices. We work with suppliers to determine the best delivery method. ProZERO™ has been delivered to partners, job sites, and batch plants via bags, super sacks, and bulker trailers.

Which sealer do we recommend?

We don't have a specific sealer requirement. Water-and saline-based sealers that have been tested have performed similarly to normal OPC.

Which aggregate do we recommend?

We have not seen adverse interactions with typical aggregates. Your local aggregate of choice will work. If using special or novel aggregates, additional testing may be required. There is additional testing required for lightweight aggregate.

How much does it cost?

ProZERO™ is a concentrated GWP reducer, so cost is driven by the replacement percentage in the mix design. For example, at ~10% replacement in a baseline mix (NRMCA standard), the cost is $24.69 per cubic yard of concrete.

Because ProZERO™ delivers high carbon-reduction efficiency, meaningful impact can be achieved at relatively low replacement levels. This allows suppliers to achieve significant GWP reduction with limited impact to total mix cost.

Cost per CY Based on NRMCA National Mix Average			
ProZERO™ % replacement	lbs of ProZERO™	Cost per Cubic Yard	GWP Reduction
10%	58.1 lbs	$24.69	23%
20%	116.2 lbs	$49.38	57%
30%	174.3 lbs	$74.07	91%
40%	232.4 lbs	$145.25	125%

Carbon Negative

Shipping

It comes in a bulk powder, delivered in a short ton. It can be shipped in a Super Sack on trailer, or dry powder in a bulker. Shipping is at the cost of the buyer, FOB, Longmont CO.

Shelf life

Materials are stable under standard conditions. Store dry and protected from moisture.

Questions?

Scan the QR code to get in touch and let us know.

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