

TRIDENT

Advanced Nanotechnology Concrete Admixture

Proven Performance. Proven Savings. Zero Compromise.

The first liquid concrete admixture that increases ultimate strength by 1,500+ PSI while saving you money

+1,500 PSI

28-Day Strength Gain

5-7%

COGS Reduction

20-30%

24-Hour Strength Boost

Up to 50%

CO₂ Emissions Reduction

KEY BENEFITS

Superior Strength

- 1,500+ PSI improvement at 28 days
- 26% increase in compressive strength (4,973 → 6,293 PSI)
- Use 3,500 PSI recipe for 5,000 PSI requirements

Cost Savings

- 300% more cost-efficient than adding cement
- \$4/yd³ vs \$16/yd³ for equivalent strength gains
- Save \$12 per cubic meter on materials

Enhanced Durability

- 43% improvement in water permeability
- 60% reduction in chloride permeability
- Superior corrosion resistance

TECHNICAL SPECIFICATIONS

Product Profile

- Form: Liquid Dispersion (Black)
- Composition: Modified Nanomaterial in Aqueous Matrix
- pH: 6.5-8.5 | Density: ~1.02 g/cm³
- VOC: 0 g/L | PFAS: Free

Dosage & Application

- Dosage: 500-1,300g per cubic yard (4-6 oz/cwt)
- Add at end of mix cycle, mix 3-5 min
- Zero equipment changes required

Compatibility

- OPC 53 Cement (Recommended)
- Fly Ash (up to 50% replacement)
- PCE, Lignosulfonate & Naphthalene plasticizers

APPLICATIONS: Ready-Mix Concrete | Precast/Prestressed | Structural Concrete | High-Performance Concrete | Sustainable Specifications

VALIDATED BY INDUSTRY LEADERS

Independent laboratory testing by SGS TEC, Ideal Laboratory, and KCT Laboratory confirms Trident's performance claims.

PIPEDREAM INDUSTRIES

Advanced Nanomaterials | Atlanta, Georgia | Founded 2020

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