

E5® RCS Technology facilitates Portland Cement reduction up to 15% and enhances or replaces the use of SCM's like fly ash, slag, or silica fume in ready mix concrete.







Control the consistency, Control the mix, Control the concrete.



Description

E5® Liquid Fly Ash® integral admixture is a silicate-free, proprietary blend of nano-silica that serves as a pozzolan addition, employed in conjunction with an adjusted quantity of coarse and fine aggregates to maintain the concrete properties and volume of fly ash in the mix design. E5® LFA sustains strength requirements, improves workability, and decreases permeability and efflorescence. The result is a more consistent high-quality, user friendly concrete regardless of geography, season, or application.

E5® LFA is engineered to exact standards to deliver predictable results every mix, unlike recycled fly ash materials which vary greatly in availability, cost, composition, and quality. E5® LFA improves air quality and worker safety in the readymix plant, compared with inconsistent and more difficult to employ CCR (Coal Combustion Residue) alternatives.

Features & Benefits

Superior Concrete Finishability

Same pozzolanic reactivity as traditional SMCs

Promotes secondary C-S-H development

Up to 15% cementitious material reduction

Creates better interfacial bonds

Predictable performance

Improved finish and reduced re-work

Reduced efflorescence

Increased density within the matrix

Concrete Production Benefits

E5® RCS Technology increases pozzolanic reactivity to form permanent, insoluble bonds in Portland Cement Concrete (PCC). E5® LFA reduces air entrainment issues commonly associated with fly ash use. Consistency in production and placement improve finish quality and extend the in-service life of concrete.

Packaging

Size	Gallons	
Drum	55	
Tote	275	
Tanker	Bulk	

Storage Instructions

Do not break seal until product is ready for use. Maintain unused product in the original container. Store in a well-ventilated, cool, dry location and temperatures between 40°-130°F (4° - 54°C). This product has a shelf life of 18 months in its original unopened container. Protect from freezing, direct sunlight, and UV exposure. Consistent availability and cost

No negative affect on air-entraining admixtures

Simplifies quality control adjustments

Eliminates the need for dedicated fly ash silo

Sustainability Benefits

E5® Liquid Fly Ash® is an environmentally friendly, zero VOC formula, bio-degradable, non-hazardous product that lowers CO_2 contribution.

Carbon Reduction Advantage

Reducing overall cementitious material content significantly reduces the carbon footprint of construction projects.

For every 100 yards poured with E5® LFA, up to 10,000 pounds of CO₂ is eliminated from our environment.*

Dosage

Consult Specification Products for dosing requirements. Can be used in conjunction with all E5® admixtures. Recommended dosage is 8-20 fl. oz. per 100 lbs. of cementitious material.

Mixing

Required dosage should be introduced in the concrete truck at the ready mix location per the Specification Products Standard Operating Procedure. Allow for proper mixing at the plant before leaving for the project.

Environmental Product Declaration

Carbon footprint result (Cradle to Gate)

Category of Impact	Equivalent Unit	Impact		
Global warming potential (GWP, 100 years)	kg CO ₂	491		
Global warming potential (GWP, 100 years) excluding biogenic carbon	kg CO ₂	491		
For full EPD, visit www.specificationproducts.com				

Review technical data sheets and Specification Product Standard Operating Procedure for proper application and use. Please contact E5® Technical Service Department at 1-888-881-1726 for assistance.

> Manufactured by Specification Products | 1-888-881-1726 www.SpecificationProducts.com

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