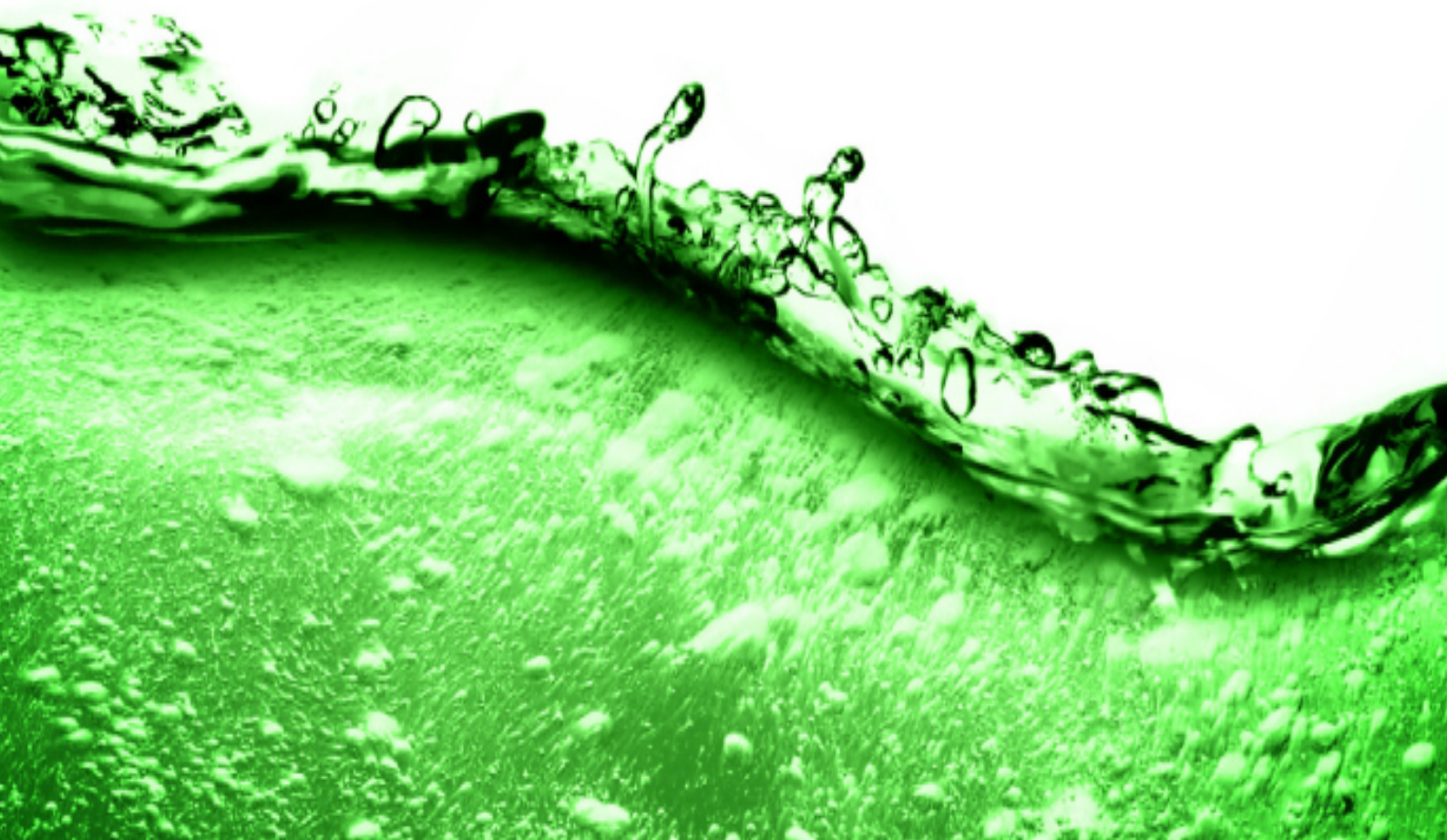


RCS™ Technology



E5[®] LIQUID FLY ASH[®]

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.



 **E5[®] PATENTED**


**Carbon
reducing
PRODUCT**

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 ready-mix plant, compared with inconsistent and more difficult to employ CCR (Coal Combustion Residue) alternatives.

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	Litres
Buckets	19
Tote	1041
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 4° - 54°C (40°-130°F). This product has a shelf life of 18 months in its original unopened container. Protect from freezing, direct sunlight, and UV exposure.

Dosage

Consult Specification Products for dosing requirements. Can be used in conjunction with all E5® admixtures. Recommended dosage is 500-1,250 ml per 100 kg. 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.

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

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 CO₂ 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.*

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



Manufactured by Specification Products
www.SpecificationProducts.com

Review technical data sheets and Specification Product Standard Operating Procedure for proper application and use.
Please contact Distributor for assistance.

Australian Distributor - McClay Industries Pty Ltd
1300 443 549
www.mcclay.au