



Reduce cement and replace or reduce SCM like fly ash, slag, or silica fume in ready mix concrete.

E5® Liquid Fly Ash integral admixture is a silicate-free, proprietary blend of Nano Silica that serves as a pozzolan addition. The admixture is 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® Liquid Fly Ash sustains strength requirements, improves workability, and decreases permeability, efflorescence and air entrainment issues commonly associated with fly ash. The result is a more consistent high-quality, user-friendly concrete regardless of geography, season, or application.

E5® Liquid Fly Ash 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® Liquid Fly Ash** 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® Nano Silica** increases pozzolanic reactivity to form permanent, insoluble bonds in concrete.

Product Details

Name	E5 Liquid Fly Ash
Type	SN
Compliance Dose Rate	520mL*
Recommended dose range	520mL - 2,600mL*
Class	Liquid Pozzolan

E5® Liquid Fly Ash is a Special purpose, normal setting admixture in accordance with AS1478.1-2000 and contains no significant chloride ion or triethanolamine (TEA).

* Dose rates are per 100kg of cementitious material.

Features & Benefits

- Cement and SCM replacement or addition.*
- Reduces calcium hydroxide.
- Creates consistent pozzolanic reactions.
- Improves pumpability, workability and finishability.
- Reduces evaporation even in low humidity, high wind, and direct sunlight conditions.
- Reduced segregation.

*E5® Liquid Fly Ash has been tested by a 3rd party lab and qualifies for SCM replacement or reduction.

Compatibility

E5® Liquid Fly Ash is highly effective on its own or in combination with other E5® Admixtures. Avoid using with other admixtures except where specific test information is available. If using multiple admixtures, it is critical to add each one individually to the concrete mix to ensure fullest efficacy and to provide desired results.

Dosage

E5 should be added after the cementitious material is full wet, normally with the tail water or at the slump stand. E5 can also be added on site.

It is recommended that concrete trial mixes be conducted to determine the correct dosage rate for your particular materials and ambient conditions. For more information about the use of this product, please contact your local distributor.

Mixing

For maximum advantage, **E5® Liquid Fly Ash** should be introduced in the concrete mixer at the ready mix location. Allow for proper mixing at the plant before leaving for the project. It is recommended that the combined materials be mixed for approximately 70 revolutions of the Ready-Mix truck. (Typically, 5 minutes at full mix speed).

Environmental Product Declaration

Carbon Footprint (Cradle to Gate) Global Warming Potential (GWP, 100 years) 491 Kilograms of CO₂.

Packaging

Size	Litres
Bucket	19
Drum	209
IBC	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 and dry location at temperatures between 4° - 54°C.

This product has a shelf life (use-by date) of 18 months in its original unopened container. **It is EXTREMELY important to protect from freezing, direct sunlight, and UV exposure.**



E5® Incorporated



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