



Viscosity modifying, internally curing E5® Nano Silica admixture engineered for Shotcrete applications requiring density and strength.

E5® Shot Cure is proven to provide internal curing of concrete. It controls the evaporation of the mix water to ensure increased hydration of cement.

E5® Shot Cure controls moisture while improving the viscosity and strength of shotcrete in plastic and hardened states.

E5® Shot Cure is designed to improve the physical and mechanical performance of shotcrete. It greatly improves the cohesiveness within high flow mixtures and prevents segregation and bleeding. The surface is workable and finishable for longer periods of time with increased cementitious hydration.

E5® Shot Cure meets C494 and C494M requirements for Type S, Specific Performance, admixtures.

No additional surface water is needed.

Carbon Reduction Advantage

Eliminating topical chemicals on concrete reduces the carbon footprint of construction project.

For every 100,000 SF pour, 880 Pounds of CO2 is eliminated from our environment.

- 1 - 5 Gallon Bucket of Curing Compounds Covers 300SF +/-
- 1 - 5 Gallon Bucket of Curing Compound Produces 13.2 lbs CO2

Features & Benefits

- Controls Low Viscosity
- Reduced bleed and segregation characteristics
- Enhanced workability and stability
- Improved pumpability, especially over long distances
- Reduction in shrinkage of hardened concrete
- Weather conditions will not cause the surface to dry out or cause differential drying

Compatibility

E5® Shot Cure is highly effective on its own or in combination with other E5® admixtures. 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

For all concrete applications, recommended dosage is 0.39-1.25 L/100 kg of cementitious material.

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 best results, **E5® Shot Cure** should be introduced in the concrete mixer at the ready mix location per the E5® Standard Operating Procedure. 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, whether in the concrete mixer or in 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)
6.67 Pounds of CO2 Per Gallon

Packaging

Size	Liters
Bucket	19
Drum	209
IBC	1041

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 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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