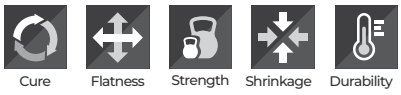
# E5® INTERNAL CURE




## Eliminate wet curing and curing compounds while creating concrete that is highly durable and easier to pump, place, and finish.

**E5® Internal Cure** is the first admixture proven to provide internal curing of concrete. It controls the evaporation of the mix water to ensure increased hydration of cement. **E5® Internal Cure** replaces the need for traditional wet cure and curing compounds, while also making the concrete easier to pump, place, and finish.

**E5® Internal Cure** increases the density of the concrete matrix, resulting in a highly durable surface which is resistant to abrasion and chemical attack even in heavy traffic areas and under freeze-thaw conditions.

**E5® Internal Cure** admixture gives control back to the finisher, even in inclement weather conditions.

**E5® Internal Cure** can be added to every meter of concrete including: exterior pavement, car parks, structural walls, columns, footings, civil infrastructure, interior slab on ground and slab on metal decks.

**No additional surface water is needed.**

## Product Details

| | |
|---|---|
| Name | E5 Internal Cure |
| Type | SN |
| Compliance Dose Rate | 260mL* |
| Recommended dose range | 260mL - 520mL* |
| Class | Internal Curing |

**E5® Internal Cure** 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

- Controls the water of transport and the water of convenience to cure.
- Eliminates wet curing and topical curing compounds.*
- Improves pumpability, workability and finishability.
- Reduces evaporation even in low humidity, high wind, and direct sunlight conditions.
- Reduces drying shrinkage and curling.
- Replaces traditional topical densifiers.

*E5® Internal Cure has been tested by a 3rd party lab and qualifies for use as a concrete curing compound when tested in accordance with ASTM C156-20.

## Compatibility

**E5® Internal Cure** 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.

## Dosing

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® Internal Cure** 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) 6.67 Pounds of CO2 Per Gallon.

## Packaging

| Size | Litres |
|---|---|
| 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 (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

www.E5NanoSilica.com

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

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