

## Product Data Sheet

### CasTech Cure AR

Nov-2025, Ver. 01.01



## Acrylic Based Concrete Curing Compound

### DESCRIPTION

**CasTech Cure AR** is a white liquid curing compound based on acrylic resin which cures to form a clear, non-penetrating, seamless membrane over new concrete. It prevents rapid water loss during the early hardening stage, improving the efficiency of cement hydration, increasing durability and reducing the chance of plastic shrinkage cracks.

### TYPICAL USES

- Concrete construction
- Concrete repairs
- Grouting works

#### ADVANTAGES

##### Key advantages:

- High performance
- Easy application
- Improved durability
- Compatible with water-based paints, cementitious renders and gypsum plasters
- Reduces cost of conventional curing
- Can be used as a sealer

### SPECIFICATION

- BS 7542: 65% efficient
- ASTM C 309: Type 1 or 2, Class A & B

### TYPICAL PROPERTIES

|                         |                 |
|-------------------------|-----------------|
| Appearance              | White liquid    |
| Appearance when applied | Clear           |
| Curing efficiency       | > 65%           |
| Touch dry               | 4 hours at 25°C |

\*The above properties are average laboratory values.

### SURFACE PREPARATION

No special preparation is required before the application of **CasTech Cure AR**. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits.

### MIXING

**CasTech Cure AR** is a single component product. Stir thoroughly to mix any solid fillers that may have settled at the bottom of the drum, until a homogeneous consistency is achieved. Do not add thinner or any solvents.

### APPLICATION

**CasTech Cure AR** is applied by low-pressure hand operated spray equipment, as a fine spray, to the surface of freshly placed concrete as soon as possible after surface water has evaporated. Hold the spray nozzle approximately 2 feet away from the concrete surface and pass back and forth to ensure complete coverage. Do not apply if surface bleed water is present or forming. **CasTech Cure AR** can be applied to dry concrete after the formwork has been removed; however, the substrate must be dampened with clean water prior to application.

### COVERAGE

Theoretical coverage is 4 – 5 m<sup>2</sup> per litre per coat; a minimum of two coats is recommended. Actual coverage depends on wastage and surface profile and can be 20 – 30% or more higher than the theoretical coverage.

### PACKAGING

**CasTech Cure AR** is available in 20 and 200 litre drums.

### SHELF LIFE

12 months when stored in a cool dry environment in factory packed, unopened containers between 5°C and 25°C.

### PRECAUTIONS

- Do not add any thinner or solvent
- Avoid excessive application
- Avoid skin contact
- Do not dispose into water drains

#### Health & Safety:

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions. Treat any splashes to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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#### **TECHNICAL SUPPORT**

CasTech offers a full technical support package to specifiers,

contractors and end users, as well as technical assistance on site and after-sales consultations.

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