

Product Data Sheet

CasTech Cure WB 90

Nov-2025, Ver. 01.01



Water Based Concrete Curing Compound

DESCRIPTION

CasTech Cure WB 90 is a water based concrete curing compound based on inorganic polymers. It is supplied as a white emulsion which forms a clear film on drying. This film prevents excessive water evaporation, resulting in more efficient cement hydration, reduced shrinkage and increased durability.

CasTech Cure WB 90 Clear is for all applications in normal temperatures. **CasTech Cure WB 90 White** pigmented grade is recommended in hot climates due to its light reflectance properties, minimizing solar heat gain.

TYPICAL USES

- Large area concreting such as airport runways, floorings, roof decks, precast concrete, roads and bridgeworks
- Low water content concrete where high compressive strength is required
- A more effective and economical alternative to hessian and water or polythene curing regimes
- Suitable for use on all concrete surfaces

ADVANTAGES

Key advantages:

- Improved curing of concrete enhances cement hydration and provides durable concrete
- Minimizes potential for surface cracking and shrinkage
- Very effective in dry, windy or hot climate concreting
- Available in white pigmented grade, minimizing solar heat gain

STANDARDS

ASTM C 309 Type 1 & 2 Class B, ASTM C 156, AASHTO M148.

TYPICAL PROPERTIES

Component	Single
Form	Liquid
Colour	Clear & White
Specific Gravity (ASTM D 1475)	1.01 ± 0.05
Curing Efficiency (BS 7542)	> 90%
Water Retention (ASTM C 156)	< 0.55 kg/m ²

APPLICATION

Stir **CasTech Cure WB 90** before use to ensure even

dispersion of the ingredients, then spray on the surface of fresh concrete as soon as it is free from surface water. Do not apply if bleed water is forming or present. Cross apply twice for adequate curing. After spraying, no further application of water or other material is necessary. The surface should not be disturbed until it can bear surface loads, and the film should not be walked on before it is fully dry. **CasTech Cure WB 90** may be applied to newly hardened concrete immediately after de-shuttering; the surface must then be damp, not dry.

PRIMER FOR SUBSEQUENT FINISHES

CasTech Cure WB 90 acts as a primer and bonding agent for the following systems:

- Water based emulsion paint systems containing PVA, PVC and acrylic co-polymers
- Tile adhesives based on the above polymers
- Bitumen based emulsions or solutions
- Cementitious systems

COVERAGE

5 – 8 m²/litre (coverage depends on surface finish, porosity and texture, as well as application techniques).

PACKAGING

5 litre, 20 litre and 200 litre containers.

STORAGE AND SHELF LIFE

12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

HEALTH AND SAFETY

PPE: Suitable protective goggles, gloves and mask must be worn.

Precautions: In case of contact with eyes, rinse immediately with plenty of water; in case of contact with skin, wash off immediately with soap and water. If swallowed, seek medical attention immediately.

Hazard: Regarded as non-hazardous for transportation.

Disposal: Do not reuse containers. Dispose of as per local rules and regulations.

Additional information: Refer to MSDS (available on request).

Product Data Sheet
CasTech Cure WB 90

Nov-2025, Ver. 01.01



TECHNICAL SUPPORT

CasTech provides on-site assistance and consulting services on projects when requested. Technical data sheets on

other CasTech products and guidance on their use are available on request.

CasTech MIDDLE EAST FZE

T6-04, Sharjah Airport Free Zone, Sharjah, UAE

P.O. Box: 121661 Tel.: +971-6-5489207

Fax: +971-6-5579879 Email: info@castechchem.com