

Masonry Cement Composites (Pty) Ltd

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Cure 200



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TECHNICAL DATASHEET

CURE 200

Water Based Acrylic Emulsion Concrete Curing Compound

CURE 200 is a water-based slightly viscous acrylic emulsion solution which dries to a colourless stain-free surface finish when applied to the concrete. Note: on over- application, a slightly glassy concrete surface finish can result.

TYPICAL APPLICATION

CURE 200 is an economical method of assisting with efficient concrete curing. The presence and retention of water in

concrete is essential to ensure adequate strength development and to minimize initial plastic shrinkage crack development. Unlike conventional surface film forming membranes, CURE 200 acts chemically with the hydroxides produced by hydration of cement in concrete thus giving a dense, pore-filling, crystalline structure which in turn reduces the moisture evaporation rate from the concrete surface. It should be noted that whilst CURE 200 is effective in improving moisture retention, the curing Efficiency Index is lower than that of conventional resin film-forming membranes (see data sheet on our CURE 300 Curing Compound range). Therefore, where high curing Efficiency Index Rates are required, the CURE 300 resin film-forming membrane compounds should be considered. Bear in mind that should subsequent surface coatings be required, the time lapse involved with resin based membranes is substantially longer. The selection of the correct curing membrane grade is dependent on specification requirements and site conditions.

ADVANTAGES

- Economical, single application
- Reduces incidence of shrinkage cracks
- Promotes better strength gain
- Useful as a dust-proofer and surface hardener particularly on floor areas
- No film breakdown period involved
- Does not interfere with subsequent concrete surface treatment

WATCH POINTS

- Do not over apply as the resulting coating will take longer to degrade and may have to be removed mechanically.
- When applied as directed, CURE 200 will not interfere with subsequent surface treatments for concrete e.g. paints, emulsions, sealants, adhesives

DIRECTIONS FOR USE

Appearance Milk White Liquid

Specific Gravity 1 g/ml @ 20°C

Flashpoint None

Finished Film Clear (gloss on over application)

Shelf life 6 months

Freezing Point 0°C

Chloride Content None

Toxicity None

Coverage 8.5m² per litre

Application:

CURE 200 should be spray applied evenly to freshly cast horizontal concrete surfaces immediately after the initial surface water sheen has disappeared. For vertical surfaces the CURE 200 can be applied immediately to the "as stripped" concrete surface (there is no prerequisite to damp down the surface prior to application)

Specification Clause

Freshly placed exposed concrete shall be cured by spray application with CURE 200 concrete curing compound to the following specifications:

- Specific Gravity at 20°C (sheen cup) 1, O. Compliance with specification type AASHTO M148 and National Water Control Approval 8104MX (Great Britain) Composition.
- High molecular weight acrylic water-based solution.
- CURE 200 is to be applied to the concrete (indicate) at a coverage range of 8.5m² per liter strictly in accordance with the manufacturer's Instructions.

TYPICAL PROPERTIES

Equipment Care

All equipment should be cleaned with water after use.

Warranty

Masonry Cement Composites (PTY) Ltd products have a manufacturing defect free warranty. Products, when applied as stipulated in this technical datasheet, will perform as specified without manufacturing defect.

REVISION: 5.2