GripCure Acrylic 200
Water Based Acrylic Emulsion Concrete Curing Compound

Product Description
GripCure Acrylic 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.

Specification Type
AASHTO M148 (Hardening), National Water Council approved 821052 G 8. Approved for use on structures to receive potable water.

Typical Applications
GripCure Acrylic is an economical method of assisting 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, GripCure Acrylic 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 GripCure Acrylic 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 GripCure Resin Curing Compound range).

Therefore, where high curing Efficiency Index Rates are required, the GripCure 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 on job site conditions.

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

Typical properties

- **Appearance:** Clear, slightly viscous liquid
- **Specific Gravity:** 1.0 at 20°C
- **Flashpoint:** None
- **Finished Film:** Normal application: clear. On over-application: glossy effect
- **Shelf Life:** Up to 2 years when stored in accordance with manufacturer’s instructions
- **Freezing Point:** 0°C
- **Chloride Content:** None
- **Toxicity:** None

Pigmentation
GripCure Acrylic is also available with a fugitive dye to indicate areas where the curing compound has been applied. It then fades after 2-3 days exposure.
GripCure Acrylic 200
Water Based Acrylic Emulsion Concrete Curing Compound

Directions for Use
GripCure Acrylic should be spray applied to freshly cast horizontal concrete surfaces immediately after the initial surface water sheen has disappeared. For vertical surfaces the GripCure Acrylic can be applied immediately to the "as stripped" concrete surface (there is no prerequisite to damp down the surface prior to application.

Coverage
The recommended application rate (preferably by spray applicator) is 8.5m² / litre.

Subsequent Surface Finishes
The main advantage in using GripCure Acrylic is that it will not interfere in any way with subsequent surface treatments for concrete, i.e. paints, emulsions, sealants, adhesives, renders, tile adhesives etc. If in doubt please contact Stanton Construction Chemicals CC.

Equipment Care
All equipment should be cleaned with water after use.

Packaging
Supplied in 25 or 200 litre metal or plastic drums.

Specification Clause
Freshly placed exposed concrete shall be cured by spray application with GripCure Acrylic concrete curing compound manufactured by Stanton Construction Chemicals CC or similar approved and manufactured to the following specifications:

- Specific Gravity at 20°C (sheen cup) 1.0. Compliance with specification type AASHTO M148 and National Water Control Approval 8104MX (Great Britain) Composition
- High molecular weight acrylic water based solution
- GripCure Acrylic is to be applied to the concrete (indicate) at a coverage range of 8.5m² per litre strictly in accordance with the manufacture's instructions.

Quality Assurance
Stanton Construction Chemicals CC production and testing programmes comply with local and international testing standards. These stringent testing requirements comply to performance specifications for concrete Curing Compounds.