

Water based acrylic emulsion concrete curing compound

Product Description

GripCure Acrylic is a water-based membrane forming slightly viscous acrylic emulsion solution which dries to a colourless stain-free surface finish when applied to the concrete

Specification Type

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

Characteristics/Advantages

- Economical, single application and easy to use. Spray or roller applicable
- 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
- Non Yellowing
- Does not make surface slippery

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.

Seals in the moisture to assist with hydration of the cement which results in higher strengths, increased durability and minimal surface dusting

Perfect for applications where additional toppings are going to be applied to the surface

Typical properties

Appearance: Clear, slightly viscous liquid

Application Rate: 5m² per litre is recommended

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.

Limitations

On over- application, a slightly glassy concrete surface finish can result

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.

Health and Safety

Refer to **GripCure Acrylic** MSDS sheet

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