Curing Compound 107

DESCRIPTION

Building Comforts Curing Compound 107 incorporates a white pigment which at recommended coverage rates gives a daylight reflectance value of 60–80%. This permits a high curing efficiency to be maintained even in conditions of intense ambient light.

Building Comforts Curing Compound 107 is a solvent free, membrane forming wax emulsion, suitable for spray application to freshly poured concrete.

The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development.

Membrane cured concrete is typically harder and exhibits a dust free surface with a reduced incidence of drying shrinkage cracks.



COVERAGE

The recommended rate of application is 5–6 square metres per litre. This corresponds to that which Building Comforts Curing Compound 107 has been tested, and at which it attains the claimed degree of curing efficiency.

In favourable conditions such as shaded interior surfaces, adequate curing can be achieved with extended coverage rates.

FILM BREAKDOWN

The time for deterioration of the membrane is dependent on a number of variables, which include film thickness, degree of exposure to weathering, traffic, UV light, and the porosity of the substrate concrete.

DIRECTIONS FOR USE

The compound should be spray applied as evenly as possible to the freshly placed concrete.

For horizontal surfaces the Building Comforts Curing Compound 107 should be applied as soon as the initial surface sheen has disappeared from the concrete face. In the case of formed concrete, the Building Comforts Curing Compound 107 should be applied immediately on removal of the formwork.

To assist breakdown of the Building Comforts Curing Compound 107 film on the vertical and formed surfaces, it is essential to dampen down the concrete with clean water prior to application.

PRIMARY USES

As a more effective and economical alternative to hessian and water and polythene curing regimes.

Suitable for use on all concrete surfaces.
Advantages:

- Eliminates the need for water
- Single application
- Promotes a harder dust free surface
- Cured film is clear and water repellent
- Reduces drying shrinkage
- High curing efficiency
- Reduced labour costs
- Water based
- Solar reflective

TYPICAL PROPERTIES

Property	Value
Appearance	White milky liquid
Specific gravity	0.9–1.01
Flashpoint	Not applicable
Finished film appearance	White solar reflective, tack free, water repellent
Water retention (ASTM C309)	Pass
Drying time (ASTM C309)	3 hours

PACKAGING

Building Comforts Curing Compound 107 is available in 200 litre drums.

SUBSEQUENT SURFACE FINISHES

It is important that the complete removal of the Building Comforts Curing Compound 107 should be ensured prior to the application of any surface finish or additional treatment.

It is recommended that where the concrete is to receive a coating or the application of tiles, the use of Building Comforts Curing Compound 181 is considered.

Building Comforts Curing Compound 181 is considered is a resin based non-degrading curing membrane meeting the requirements of ASTM C-309 Type 1 Class B. It is additionally formulated to act as a primer for many finishes or to seal concrete surfaces and provide a degree of abrasion to flatwork.

STANDARDS

ASTM C309 Type 2 Class A

STORAGE

Shelf life is up to 6 months when stored under cover, out of direct sunlight and protected from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advices consult BASF's Technical Services Department.

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QUALITY STATEMENT

This statement is made under condition that the material and usage thereof conform to the terms of our published literature and recognized good workmanship.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information, contact your Building Comforts representative.

Building Comforts reserves the right to have the true cause of any difficulty determined by accepted test methods.

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention.

Reseal containers after use. Use in well ventilated areas and avoid inhalation.

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labor involved in the application are beyond our control.

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