



ALFACURE WB30

General purpose curing compound

DESCRIPTION

ALFACURE WB-30 water based concrete curing compound is based on a low viscosity wax emulsion. It is supplied as white emulsion which forms a clear film on drying. When first applied to a fresh cementitious surface the emulsion breaks to form a continuous, non-penetrating white coating. This dries to form a continuous film which provides a barrier to moisture loss, ensuring more efficient cement hydration, improved durability and reduced shrinkage cracks.

USES

As a spray applied membrane to retain moisture in concrete for effective curing, suitable for all general concreting applications, particular benefit for large area concrete surfaces, such as airport runways, roads pavement and bridge decks etc.

ADVANTAGES

- ◆ Improved curing of concrete enhances hydration process and provides a more durable concrete.
- ◆ Control of moisture loss improves surface quality, reducing permeability, minimizing surface cracking and shrinkage.
- ◆ Water based, therefore, non-flammable.
- ◆ Spray application reduces labor costs, therefore eliminates the need for alternative curing systems.
- ◆ Eliminates the need of water
- ◆ Single application
- ◆ Promotes harder dust free surface
- ◆ Reduces drying shrinkage
- ◆ High Curing efficiency

COVERAGE

Actual coverage depends upon the method of application, the texture and porosity of the surface. The normal coverage is 4.00 - 5.00 m²/ltr.

APPLICATION

ALFACURE WB-30 white should be stirred before use to ensure even dispersal of the pigment. ALFACURE WB-30 should be spray applied to the surface of fresh concrete. Application should begin as soon as the concrete is free from surface water. Do not apply if bleed water is forming, or is present on the concrete surface. The spray nozzle should be held approximately 450 mm from the concrete surface and passed back and forth to ensure complete coverage.

The fugitive white colour during application provides a guide to the area covered. Pump pressure should be maintained to give an even, fine spray. After spraying, no further application of water or other material is necessary to ensure continued curing. The concrete surface should not be disturbed until it has sufficient strength to bear surface loads. The applied film should not be trafficked until it is fully dry, care should also be taken to ensure that the film is not subsequently broken. ALFACURE WB-30 may be applied to the surface of newly hardened concrete immediately after demoulding. In such cases the concrete surface must be damp and not dry. Dry surfaces may prevent correct film formation and cause absorption of the ALFACURE WB-30 which may lead to staining and difficulty in later removal.

TECHNICAL DATA

| | |
|--------------------------|------------------------------------|
| Color | Milky white liquid |
| Finished film appearance | Clear, White, Water repellent film |
| Specific gravity | 1.00 @ 25°C |

STANDARDS

| | |
|---------------|-----------------|
| ASTM C309: | Type 1, Class A |
| AASHTO M-148: | Type 1, Class A |

PACKAGING

| | |
|--------------|---|
| Supplied in: | Jerry Can / Drum |
| Storage | Dry, frost free, out of direct sunlight |
| Shelf life: | 6 months, when stores as above |
| Hazard class | No dangerous goods. Observe Material Safety Datasheet |

STORAGE / SHELF LIFE

This Product must be stored where temperatures do not drop below +5°C, If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature.

Shelf life is 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage consult your local Alfalah representative.

PRECAUTIONS

Health and Safety

This product does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

For further information consult the Material Safety Data Sheet available for this product.

FIRE

This product is water based and non-flammable

STATEMENT OF RESPONSIBILITY (Disclaimer)

The technical information and application advice given in this Alfalah Chemicals publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Alfalah Chemicals either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Alfalah Chemicals, are responsible for carrying out procedures appropriate to a specific application.

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American Concrete Institute