

# Curecon BE

## Bitumen emulsion concrete curing compound

### DESCRIPTION

Curecon BE is a Class Z, Type 3, water based bitumen membrane curing compound used to retain moisture in concrete for effective curing.

Curecon BE is certified as compliant with Australian Standard AS3799-1998.

Curecon BE is a fast breaking emulsion that becomes resistant to wash off about 20 - 30 minutes after application.

Curecon BE can be used for all concrete but is specifically intended for use in mass concrete structures such as roadwork, bridgework, on/off ramps and airport runways.

### ADVANTAGES

- Reduces surface shrinkage and cracking by eliminating moisture loss from exposed surfaces
- Rapid film formation – Curecon BE resists wash off by rain about 30 minutes after application
- Tack free when dry
- Use as a pre-coat for finishing with an asphalt black top surface.
- Increases concrete strength and dusting resistance
- Low VOC formulation
- Meets Green Star rating
- Eliminates the need for damp hessian, sand or polythene
- Non-flammable/non dangerous goods classification

### DESIGN CRITERIA

The coating should be applied at a coverage rate of 5m<sup>2</sup>/litre.

To achieve the correct curing properties and moisture retention according to AS 3799, Curecon BE must be applied at the above stated coverage rates.

Curecon dries to a black film on the concrete surface.

### TYPICAL PROPERTIES

Colour & form	Dark brown to black liquid
Viscosity	~0.30 Pa/s
Specific gravity	0.95 ± 0.05
Flash Point	Not applicable
Water retention efficiency	> 90%
Drying time (on concrete)	25 – 30 minutes @ 25°C
Coverage	5 metres <sup>2</sup> per litre

### COMPATIBILITY

Curecon BE is suitable as a pre-coat for finishing with an asphalt black top surface. Compatibility tests should be undertaken and confirmed by testing for other applications in each and every case.

### APPLICATION INSTRUCTIONS

Curecon BE should be applied as soon as the bleed water has been re-absorbed, or at least as soon as the concrete surface can be touched without marring.

Curecon BE should be applied using low pressure spray equipment. Small areas can be covered using hand held or knapsack type, industrial spray pumps. Larger areas will generally require application by mechanical pumping such as diaphragm pumps or boom spray assemblies.

Application by roller or by airless spray is not recommended.

Curecon BE should be sprayed evenly over the entire surface area of the concrete (including exposed edges) at the rate stated above.

Should one coat be insufficient to achieve coverage of 5 m<sup>2</sup> per litre, a second coat should be applied at right angles to the first coat.

### CLEAN UP

While Curecon BE is wet, overspray and equipment can be cleaned up using water.

Dried Curecon BE can be removed by mechanical means such as grit blasting or by using chemical stripping compounds. Contact ITLS technical services for more information on removing dried Curecon BE.

## ESTIMATING

Curecon BE is applied at the rate of 5 m<sup>2</sup> per litre (0.2 litres per m<sup>2</sup>)

Curecon BE is normally supplied in 20 litre cubes, 200 litre drums and 1000 litre containers.

Bulk supply can be arranged where sufficient volumes are to be used.

## PRECAUTIONS

- Use Curecon BE as supplied, do not dilute
- Mix Curecon BE thoroughly before application
- Mask edges if overspray will contaminate adjacent surfaces
- Where protective gloves and protective clothing during use
- Avoid spillage or overspray into waterways or drains

## ENVIRONMENTAL IMPACT

Curecon BE contains surfactant systems classed as "READILY BIODEGRADABLE" complying with AS4351

## STORAGE

Curecon BE will remain stable for at least 6 months when stored in original, unopened containers.

Some separation may occur during storage and transport. This is easily reincorporated by mixing or agitating the material prior to use.

Curecon BE will be useable for about 12 months after date of manufacture although separation will occur to a greater degree after the first 6 months.

Use all product should be used within 12 months of date of manufacture.

## HEALTH AND SAFETY

Curecon BE is non-hazardous, however common sense precautions should be used when handling and applying the product.

Users should wear suitable gloves, protective clothing and masks when spraying Curecon BE. Protective goggles should be worn, particularly when spraying overhead.

Avoid contact with skin and eyes.

For more detailed information, please read the MSDS for this product.

## TECHNICAL SUPPORT

ITLS manufactures a comprehensive range of high quality, high performance construction products. In addition, ITLS offers technical support and on-site advice to specifiers, end users and contractors.

Please contact your ITLS sales representative or ITLS Head Office for this service

## ALLIED PRODUCTS

ITLS manufactures a broad range of products under the Aftek brand, which are used in the construction industry and in manufacturing, including:

- Grouts
- Coatings
- Admixtures
- Adhesives
- Sealants
- Floor Toppings
- Floor Leveling Compounds
- Concrete Repair
- Concrete Curing

*The information and any recommendations relating to the application and end-use of all ITLS products are provided in good faith based on ITLS's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by ITLS. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions.*

**PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.**



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