

This guide has been developed to provide preparation and application recommendations for a variety of concrete surfaces. Whilst all endeavours have been taken to provide best practice industry information for all aspects of preparation and the application of our products, the user must understand that all concrete surfaces are unique and not every situation will be covered in this guide.

### PREPARATION AND CLEANING:

Ensure concrete is sufficiently cured (recommended minimum 28 days). Ensure moisture content is less than 5% at time of application to allow optimum coating performance (refer moisture test below).

Ensure all laitance, foreign materials and contaminants that may affect the adhesion of the coating are removed prior to application. Ensure surface is free from mould or mildew. Once substances are removed, wash down area.

### Porosity & Moisture Test:

Measure one (1) cup of fresh water and pour onto the dry surface. Observe water absorption noting absorption within 30 seconds. If water pools or is slow to be absorbed, a second acid etch may be required.

For new, unpainted and/or porous concrete surfaces place a piece of black plastic over a small area in direct sunlight, tape the edges and leave for 1 hour. Remove the plastic, if there is no moisture on either surface the concrete is sufficiently dry for sealing.

### New, Unpainted and/or Porous Concrete Surfaces

Acid etch with a hydrochloric solution of 4 parts water and 1 part acid. Pressure clean using clean water. Ensure all acid is neutralized with an alkaline solution (e.g. sodium bicarbonate solution of 20 parts water and 1 part bicarb soda) and thoroughly rinsed.

New, unpainted and/or porous concrete must be primed with *Globalcote SB Primer* prior to application of the top coat.

### Previously Painted Concrete Surfaces

Acid etch with a hydrochloric solution of 8 parts water and 1 part acid. Pressure clean using clean water. Ensure all acid is neutralized with an alkaline solution (e.g. sodium bicarbonate solution of 20 parts water and 1 part bicarb soda) and thoroughly rinsed.

Do not apply *Cretecote SB* to areas that have been previously painted without conducting a test patch. If the existing coating is unaffected, proceed with the application of *Cretecote SB*. If there is any reaction from the existing coating, please contact Globalcote for further advice.

### APPLICATION:

Care should be taken to ensure adequate ventilation is provided when *Cretecote SB* is being used in confined or enclosed spaces.

## CONCRETE FLOOR SURFACES – SOLVENT BASED SYSTEM

## APPLICATION GUIDE

**APPLICATION CONT'D:**

Agitate the drum prior to and during use. Ensure the surface is clean, dry, dust-free and sound for application.

Cretecote SB can be applied with a brush, long nap (12-18mm) roller or airless spray gun (minimum 517 tip) in a uniform manner, at a spread rate of 6 - 8m<sup>2</sup> per litre. This spread rate may vary depending upon surface and porosity. If using an airless spray gun, Globalcote recommends that the first coat be back-rolled.

Recommended dilution rates for first coat is as follows:

**Textured Surfaces:** add 20% Globalcote Solvent CT to Cretecote SB prior to application (eg 4L of Solvent CT to 20L of Cretecote SB).

**Smooth Surfaces:** add 50% Globalcote Solvent CT to Cretecote SB prior to application (eg 10L of Solvent CT to 20L of Cretecote SB).

Apply at least two (2) liberal coats maintaining a wet edge, allowing at least 4 hours between coats. Avoid dry-spraying (distance between gun and surface and/or inadequate tip size) or dry-rolling/brushing (insufficient brush or roller loading).

Clean all equipment with *Globalcote Solvent CT* immediately after use.

It is important that *Cretecote SB* is put on in even coats and not left to pool. Large surface areas should be divided into workable sections to avoid overlap marks.

## HEALTH &amp; SAFETY

## RECOMMENDATIONS &amp; PRECAUTIONS

- **Inhalation:** If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
- **Ingestion:** Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
- **Skin:** Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.
- **Eye:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.
- **First Aid Facilities:** Eyewash, safety shower and normal washroom facilities.
- **Other Information:** For advice in an emergency, contact Poisons Information Centre (13 11 26) or a doctor at once.
- **Respiratory Protection:** If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used.
- **Eye Protection:** Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances.
- **Hand Protection:** Wear gloves of impervious material such as laminated film, nitrile rubber. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken.
- **Body Protection:** Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist, is recommended. Chemicals resistant apron is recommended where large quantities are handled.

## RECOMMENDATIONS & PRECAUTIONS

Ensure that the application of the product is in accordance with our recommendations.

Due care and consideration should be taken where water collection methods are present. Globalcote recommends allowing 10 days curing and an initial rinse (rain or tap water wash) prior to reconnecting water collection systems.

The surface preparation is the responsibility of the Builder, Renovator, Contractor or Applicator. It is also the responsibility of the Applicator to ensure that the substrate is of an acceptable standard prior to the application of the Globalcote Coating System.

Without the addition of an anti-skid additive, Cretecote SB may not be suitable for steep, smooth and/or areas of high trafficability.

**TRAFFICABILITY:** *Do not park vehicles on surface for at least 7 days after application.*

**DISCLAIMER:** The recommendations and data provided in this document are true and accurate at the time of testing. The information is given in good faith but without any guarantee as conditions and methods of use on the Globalcote product are beyond Globalcote's control. Globalcote recommends that the applicator of this product conducts a small test patch in an inconspicuous area to determine the suitability of the Globalcote material and its recommendations prior to use or application.