



The Chemical Company

# PRIMER SC

## Solvent-free primer for UCRETE industrial flooring

### Description

PRIMER SC is a solvent-free, three-part primer based on polyurethane technology. Part 1 is a low viscosity white liquid. Part 2 is a low viscosity brown liquid. Part 3 is a fine white powder.

### Uses

PRIMER SC is applied to prepared concrete substrates prior to coating with UCRETE industrial flooring. It reduces the porosity of the prepared concrete, thus minimising the incidence of displaced air from the concrete causing defects in the surface of the floor. It should be used if the surface appearance of the finished floor is a primary consideration.

### Benefits

- Environmentally friendly
  - no volatile solvents
  - non-tainting
- Safe
  - flash point above 220°C
  - non-flammable
  - no special requirements for transport or storage
- Easy application by roller or brush

### Packaging

Part 1 : 1 litre can; 1.065kg net weight.  
Part 2 : 1 litre can; 1.090kg net weight.  
Part 3 : clear plastic bag packed in a cardboard box; 0.570kg net weight.  
Total pack size 2.725kg.

### Application

#### Substrate quality

Substrates will normally be concrete or polymer modified screeds. Other substrates may be suitable; consult your local BASF office.

All substrates must be clean and free from dust and loose particles. Concrete and other cementitious substrates must be visibly dry and have a minimum tensile (pull-off) strength of 1.5 N/mm<sup>2</sup>. PRIMER SC may be applied to substrates of lower strength but the long-term performance of the floor may be affected. All traces of contaminants, such as oils, fats, greases, paint residues, chemicals, algae and laitance, should be removed.

### Preparation of substrate

As with all surface coatings, proper surface preparation is vital to ensure the successful application and performance of PRIMER SC.

The preferred method of preparation is vacuum shot-blasting. Other methods, such as air impact hammer (scabblers) – provided that the substrate is not damaged, concrete surface planer, grit blasting, wire-brush scarifier, surface grinder, drum sander and flame spaller, can be satisfactory. Chemical methods, such as acid etching, are not reliable and not recommended.

### Mixing

Pour the contents of the Part 1 can and the Part 2 can into a 5 litre polyethylene mixing pail and mix using a Helical “Epi” type mixer operated at 1500 to 2000 rpm for 20 seconds.

Add the Part 3 bag and continue mixing for a further 30 seconds or until the mix becomes homogeneous.

The working life is approximately 10 minutes. Multiple units may be mixed but do not mix more material than can be applied in 10 minutes.

### Application

Do not apply to damp substrates. Do not apply when atmospheric condensation is occurring or likely to occur before full cure is obtained, i.e. when the substrate temperature is within 3°C of the dew point.

Pour the mixed material into an industrial paint tray and apply by roller taking care to avoid ponding. Apply the material around the edges of areas and into grooves (chases) by brush to ensure even spreading and no ponding.

#### Note

If 1 kg or more of mixed material is left in the mixing container for more than 10 minutes it will react strongly giving off considerable heat. This should be avoided but if it does occur the container should be placed outside until reaction is complete.

#### Curing:

PRIMER SC should be allowed to cure for a minimum of 12 hours and a maximum of 48 hours before applying UCRETE industrial flooring. At temperatures below 12°C these times may be extended.



The Chemical Company

## PRIMER SC

### Coverage

Coverage is influenced by substrate roughness, porosity and temperature. The following can be used as a guide.

Coverage                      200 - 400 g/m<sup>2</sup>              7 - 13 m<sup>2</sup>/unit

### Cleaning

Cleaning of plant and equipment should be undertaken well away from the application area. Xylene may be used to clean equipment, tools and spillages. In the case of spillages, excess material must first be absorbed onto sawdust or other disposable absorbent medium. Use correct handling procedures with solvents and take care to avoid any accidental spillage or splashes onto coated surfaces.

Part 2 containers may contain small amounts of unreacted diisocyanates (MDI). Therefore they must be decontaminated with a 5% solution of soda ash (sodium carbonate or washing soda) prior to disposal as building waste.

### Storage

All parts of PRIMER SC should be stored under cover and free of the ground. Protect from all sources of moisture. Storage conditions should be dry, above 5°C and below 30°C.

### Health and safety

Appropriate health and safety advice can be found in the Material Safety Data Sheets.

Users are advised to wear gloves and eye protection when mixing and applying PRIMER TC and PRIMER SC.

### Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until products is fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use.

### Note

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

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

### Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9000, ISO 14001 and OHSAS 18001.

09/99 BASF-ME revised 11/2001

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 labour involved in the application are beyond our control

**As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.**

BASF Construction Chemicals UAE LLC

P.O. Box 37127, Dubai, UAE

Tel: +971 4 8851000

Fax: +971 4 8851002

www.BASF-cc.ae

e-mail: marketingcc.mideast@BASF.com



Certificate No.  
963680



Certificate No.  
945787



Certificate No.  
772556