UCRETE®

# PRIMER SC

## SOLVENT-FREE PRIMER FOR UCRETE® INDUSTRIAL FLOORING

## Description of Product

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.

## Fields of Application

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 quality of the finished UCRETE® floor is important for hygiene or aesthetic reasons.

## Features and Benefits

Environmentally friendly
- no volatile solvents
- non-tainting

Safe
- flash point above 220ºC
- non-flammable
- no special requirements for transport or storage

Easy application by roller or brush

## Application Procedure

**Substrate quality**
Substrates will normally be concrete or polymer modified screeds. Other substrates may be suitable; consult your specialist applicator or the Industrial Flooring Sales Office for advice on **+44 (0) 1527 505100**.

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/mm². 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 (scabbler) – 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 occuring or likely to occur before full cure is obtained, i.e. when the substrate temperature is within 3ºC 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.



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

| | *g/m²* | *m²/unit* |
|---|---|---|
| Coverage | 200 – 400 | 7 - 13 |

**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 12ºC these times may be extended.

**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.

## Packaging

PRIMER SC is supplied as three factory-batched components.

## 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

## Watchpoints

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 SC.

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**Health and Safety**
*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

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

**Solvent Based Products**
Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

**Powder Products**
Should be handled to minimise dust formation; use light mask if excessive dust unavoidable. Cement powders when wet or moistened can cause burns to skin and eyes which should be protected during use.

**Resin Products**
Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

**Spillage**
Chemical products can cause damage; clean spillage immediately.

**Disclaimer**
The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience.

However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed.

All products should be used in accordance with the Manufacturer's instructions. No responsibility can be taken by the manufacturer where conditions of use are beyond our control.

It is the responsibility of the user to obtain the most up-to-date datasheet which supersedes all previous literature.

For additional information or questions, contact your local MBT Feb representative.

To view Part 1 Material Safety Data Sheet click here

To view Part 2 Material Safety Data Sheet click here

To view Part 3 Material Safety Data Sheet click here



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