

# Ucrete<sup>®</sup> PRIMER SC

## Heavy Duty Polyurethane Primer for Ucrete Flooring Systems

### DESCRIPTION

**Ucrete PRIMER SC** is a low viscosity solvent free primer based upon the Ucrete heavy duty polyurethane resin binder system.

**Ucrete PRIMER SC** is not a finished floor and must be overlaid by the appropriate Ucrete floor finish.

### TYPICAL APPLICATIONS

**Ucrete PRIMER SC** is applied to suitably prepared cementitious substrates to reduce porosity and air release prior to the application of trowel grades of Ucrete Industrial Flooring.

**Ucrete PRIMER SC** should be used under all Ucrete trowel grades whenever aesthetics and hygiene are important.

Note: For **Ucrete MF** and **Ucrete MFAS** floors the scratchcoat primers, **Ucrete PRIMER SC** or **Ucrete PLC**, are recommended.

### ADVANTAGES

- Expert installation by fully trained licensed applicators
- Suitable for application on to 7 day old concrete and 3 day old polymer screeds
- Allows application of suitable Ucrete flooring systems after approximately 12 hours at 20°C
- High temperature resistance for floors in extreme environments.

### PACKAGING

**Ucrete PRIMER SC** is supplied in 2.905kg working packs.

### AIR QUALITY

Ucrete has been awarded the Indoor Air Comfort Gold Label following extensive VOC emission chamber testing and auditing of quality management and production control procedures.

This demonstrates that Ucrete is an extremely clean product without any volatile compounds that might taint foodstuff or affect the well-being of personnel.

All Ucrete grades give very low emissions and conform to all the emissions requirements for indoor flooring systems in Europe including AgBB in Germany, Afsset in France, where they are rated

A+ for VOC emissions (the cleanest rating), and M1 in Finland.

For further information please contact your local Master Builders Solutions Construction Chemicals representative.

### APPLICATION GUIDELINES

#### SUBSTRATE QUALITY

Substrates will normally be concrete or polymer modified screeds. Other substrates may be suitable; consult your specialist applicator or local Master Builders Solutions Construction Chemicals office for advice.

Concrete and other cementitious substrates must be visibly dry and have average tensile (pull-off) strength of 1.5MPa. Ucrete 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 must be removed.

#### PREPARATION OF SUBSTRATE

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

#### **Ucrete PRIMER SC.**

Prepare the surface by vacuum shot blasting, concrete surface planer, grit blasting or surface grinding to produce a clean sound substrate with good profile suitable to receive a resin finish.

Cut anchor grooves around all free edges as detailed in the Design and Preparation of Substrates brochure.

#### MIXING AND APPLICATION

For best results, the site and material temperatures should be in the range 15-25°C. Minimum substrate temperature 5°C.

Do not apply when atmospheric condensation is occurring or likely to occur before overlaying, i.e., when the dew point is reached or when the ambient or substrate temperature is within 3°C of the dew point.

Mix in a suitable sized vessel by electric drill with spiral mixing head.

# Ucrete® PSC

Pour the mixed material onto the floor and spread by squeegee and back roller. Brush well into the sides and floor of the anchor grooves. Do not fill the anchor grooves with **Ucrete PRIMER SC**.

## CURING

Prior to application of a subsequent coat, check that the surface is hard and tack-free. The recoating time is dependent upon humidity and temperature, but typically **Ucrete PLC** can be overlaid: -

after 12 hours at 20°C

after 16 hours at 10°C

Defects in the primed surface, such as blow holes in the surface as a result of air rising out of bleed run pores in the substrate, should be remedied prior to overlaying. Failure to do so may lead to surface defects in the finished floor.

If the time between coats exceeds 48 hours, or if condensation or water impacts the surface, fully abrade the surface. This will normally mean that the floor must be reprimed.

## COVERAGE

Coverage is greatly influenced by substrate texture and porosity as well as temperature and mixer efficiency. Typical coverage rates are: -

0.2-0.4 kg/m<sup>2</sup>

7-14 m<sup>2</sup>/unit

Note: Above coverage rates do not include wastage

## STORAGE

In covered warehouse conditions, above 5°C and below 30°C and out of direct sunlight. Materials must be raised off the floor and kept dry. Liquid components must be protected from frost.

## DISPOSAL

Part 2 containers should be decontaminated with 5% sodium carbonate (washing soda) solution after use and disposed of as building waste in accordance with local regulations.

## HEALTH AND SAFETY

In its cured state Ucrete is physiologically non-hazardous.

For normal flooring applications Ucrete does not require the use of respiratory protective equipment during installation.

Operatives should consult the CoSHH risk assessment and their work instructions.

\* Properties listed are based on laboratory controlled tests.

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When **Ucrete PRIMER SC** is used as a primer underneath other Ucrete products the floor system conforms to the relevant CE marks.

Please refer to the relevant Declaration of Performance and the product and system data sheets.



## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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 a 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 Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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