

# Ucrete Primer RG

## Heavy Duty Polyurethane Primer for Ucrete RG

### MATERIAL DESCRIPTION

**Ucrete Primer RG** is a solvent free primer based on the Ucrete heavy duty polyurethane resin binder system. It is a thixotropic primer and pore filler for use with **Ucrete RG** render and coving grade.

### FIELDS OF APPLICATION

**Ucrete Primer RG** is suitable for use on all substrates prior to the application of **Ucrete RG**. **Ucrete Primer RG** is not a flooring primer and must not be used with Ucrete flooring grades.

### FEATURES AND BENEFITS

- Expert installation by fully trained licensed Applicators.
- Suitable for application on to 7 day old concrete and 3 day old polymer screeds and renders.
- Suitable for porous and non porous substrates including concrete, brick, exterior grade plywood, mild steel and insulated wall panels.
- Immediate application of **Ucrete RG** wet in wet for speed of application.
- Long open time.
- High temperature resistance for use in extreme environments.

### 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 representative.

### APPLICATION PROCEDURE

#### 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 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 RG**.

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 with a low-speed electric drill operated at 350 rpm and mixing head in a suitable container.

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 or overcoated within 1 hour.

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The **Ucrete Primer RG** is applied by brush and roller to wet out the surface of the substrate. Use a stiff brush to apply into anchor grooves. Do not fill anchor grooves with **Ucrete Primer RG**.

### Cleaning Agent:

Tools may be cleaned immediately after use using Xylene.

### Curing:

**Ucrete RG** is normally applied immediately after the application of the **Ucrete Primer RG** while the primer is still wet.

The open time of **Ucrete Primer RG** is 1 hour at 20°C. Do not apply **Ucrete RG** after this time. If the open time of the primer is exceeded allow the primer to fully cure. Typically, 16 hours at 20°C.

Once fully cured, reprime and apply **Ucrete RG** as normal.

If the time between coats exceeds 48 hours, or if condensation or water impacts the surface, fully abrade the surface. Reprime and apply **Ucrete RG** as normal.

## COVERAGE

Coverage is greatly influenced by substrate texture and porosity as well as temperature and mixer efficiency.

Typical coverage rates are:

0.15 – 0.2 kg/m<sup>2</sup>

7 - 9 m<sup>2</sup> / unit

## PACKAGING

**Ucrete Primer RG** is supplied in 1.43 kg working packs.

Part 1 = 0.56kg

Part 2 = 0.57kg

Part 3 = 0.3kg

## 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.

## WARNINGS AND PRECAUTIONS

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.

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### NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

MB Construction Chemicals Solutions South Africa (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to be, an admission of liability or an assumption of any risk, loss, damage or liability.

### QUALITY AND RESPONSIBLE CARE

All products originating from MB Construction Chemicals Solutions South Africa (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

\* Properties listed are based on laboratory controlled tests.

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