



# Ucrete Primer FS

## Heavy Duty Polyurethane Fast Slurry Primer for Ucrete Flooring Systems

### MATERIAL DESCRIPTION

**Ucrete Primer FS** is a rapid curing solvent free slurry primer applied by squeegee and trowel at a thickness of 0.3 to 1mm. **Ucrete Primer FS** is not a finished floor and must be overlaid by the appropriate Ucrete floor finish.

### FIELDS OF APPLICATION

**Ucrete Primer FS** is applied as a flowing slurry to prepared concrete substrates to completely seal the substrate prior to overlaying with Ucrete industrial flooring and provides a smooth even substrate. **Ucrete Primer FS** is the primer of choice for use with all Ucrete floors wherever speed of installation is important.

### 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.
- Allows application of suitable Ucrete flooring systems after approximately 12 hours at 20°C.
- High temperature resistance for floors 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 FS**.

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. Mixing should be continuous to maintain a wet edge. The pot life is short, pour the mixed material immediately onto the floor and apply by squeegee with steel trowel for edgework. Work it well into the substrate in both directions to completely seal the floor.

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Do not pull too thin. 8 x 8mm anchor grooves under 4mm floors should be filled with **Ucrete Primer FS**. Do not fill larger anchor grooves with **Ucrete Primer FS** but ensure these are brushed out.

### Cleaning Agent:

Tools may be cleaned immediately after use using Xylene.

### 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 Primer FS** can be overlaid:

after 7 hours at 5 °C

after 4 hours at 10 - 15 °C

after 3 hours at 20 °C

after 2 hours at 30 °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, especially under **Ucrete MF** or **Ucrete MFAS**. Failure to do so may lead to surface defects in the finished floor.

If the time between coats exceeds 30 hours, or if condensation or water impacts the surface, fully abrade the surface prior to overlaying.

### COVERAGE

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

Typical coverage rates are:

0.6 – 1.6 kg/m<sup>2</sup>

8 - 20 m<sup>2</sup> / unit

Maximum 3kg/m<sup>2</sup> can be applied.

Typically, 0.6 kg/m<sup>2</sup> where otherwise a roll coat primer might be used.

Typically, 1–1.5 kg/m<sup>2</sup> where otherwise a scratch coat primer is required.

### PACKAGING

**Ucrete Primer FS** is supplied in 12.69 kg working packs.

Part 1 = 2.83kg

Part 2 = 2.86kg

Part 3 = 7kg

### 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.

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\* Properties listed are based on laboratory controlled tests.

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