



# Ucrete TCCS

## Heavy Duty Colour Stable Encapsulation Resin for Enhanced Aesthetics

### MATERIAL DESCRIPTION

**Ucrete TCCS** is a three component, heavy duty encapsulation resin available in 12 light stable colours.

**Ucrete TCCS** is an integral part of the **Ucrete CS** flooring systems providing attractive, hygienic and slip resistant floors.

It exhibits exceptional chemical and temperature resistance when used as part of a **Ucrete CS** floor.

**Ucrete TCCS** is not a floor coating.

### PRODUCT HIGHLIGHTS

- Light stable and non-yellowing matt sheen finish.
- Very low staining when in contact with a wide range of chemicals and food industry products.
- Expert installation by fully trained licensed applicators
- Non-tainting after 5 hours, as tested by Campden Technology Ltd.
- Rapid curing allowing a rapid return to service.

### COLOURS

**Ucrete TCCS** is available in eleven light stable colours:

Red	Grey	Yellow
Blue	Green/Brown	Cream
Orange	Green	Bright Yellow
Light Blue	Light Green	

### NON-TAINTING

**Ucrete TCCS** is non-tainting after 5 hours, as tested by Campden Technology Ltd. Food products should be kept out of the area during the installation process. Ensure adequate ventilation until returning the floor to service after 5 hours.

### CHEMICAL RESISTANCE

**Ucrete CS** offers exceptional resistance to a wide range of chemical aggressors. For example, Ucrete is resistant to the following commonly encountered chemicals:

Acetic Acid, 50%: As spirit vinegar widely used in the food industry, indicative of resistance to vinegar, sauces, etc.

Concentrated Lactic Acid @ 60°C: Indicative of resistance to milk and dairy products.

Oleic Acid, 100% @ 60°C: Representative of the organic acids formed by oxidation of vegetable and animal fats widely encountered in the food industry.

Concentrated Citric Acid: As found in citrus fruits and representative of the wider range of fruit acids which can rapidly degrade other resin floors.

Nitric acid: as used in many CIP cleaning solutions. Ucrete TCCS is particularly resistant to the staining commonly encountered where these are used.

Methanol, 100%: Representative of alcohols and the wider range of solvents used in the pharmaceutical industry.

**Ucrete CS** is also resistant to a wide range of mineral oils, salts and inorganic acids, extensive chemical resistance tables are available upon request.

**Ucrete CS** flooring is resistant to the staining or discolouration that occurs with other flooring systems when exposed to aggressive chemicals. Such staining is greatly reduced depending upon the standards of housekeeping employed.

### PACKAGING

**Ucrete TCCS**: 10.39 kg unit.

### CLEANING AGENT

Tools may be cleaned immediately after use using Xylene.

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### APPLICATION TO UCURETE CS

One or two coats depending upon specification or more if a smoother, but less slip resistant, surface is required. For best results, the site and material temperatures should be in the range 12–22°C. Minimum substrate temperature 10°C.

Do not apply when atmospheric condensation is occurring or likely to occur before full cure is attained, 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 an electric drill and paddle and apply by squeegee and back roll. Avoid ponding. Follow application guidelines. It is important to achieve the specified coverage rates if the required slip resistance is to be achieved.

### COVERAGE

For applications in **Ucrete CS** systems

CS10:	15-25m <sup>2</sup> /unit	0.4-0.6 kg/m <sup>2</sup>	
CS10AS:	15-25m <sup>2</sup> /unit	0.4-0.6 kg/m <sup>2</sup>	
CS20:	10-15m <sup>2</sup> /unit	0.7-0.9 kg/m <sup>2</sup>	R13 floor
CS20:	8-10m <sup>2</sup> /unit	1.0-1.2 kg/m <sup>2</sup>	R12 floor
CS20AS:	10-15m <sup>2</sup> /unit	0.7-0.9 kg/m <sup>2</sup>	
CS30:	8-10m <sup>2</sup> /unit	1.0-1.2 kg/m <sup>2</sup>	

### 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 under normal conditions a second coat can be applied after 2 hours. The time between coats must not exceed 48 hours. Normally, the floor can be returned to service after 5 hours.

### STORAGE

In covered warehouse conditions, above 5°C and below 30°C and out of direct sunlight. Materials must be raised

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off the floor and kept dry. Liquid components must be protected from frost.

Shelf life is 12 months from date of manufacture when stored in undamaged, unopened packaging. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions' Technical Services Department.

### DISPOSAL

Containers should be disposed of in accordance with local regulations.

### 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.