

# Ucrete<sup>®</sup> TCPU CLEAR

## Light stable chemical resistant encapsulation resin

### DESCRIPTION

**Ucrete TCPU CLEAR** is a one component, non solvented, aliphatic polyurethane resin designed to provide a tough clear coating.

**Ucrete TCPU CLEAR** is light stable and non-yellowing with excellent mechanical and chemical resistant properties.

**Ucrete TCPU CLEAR** is designed as an integral part of the **Ucrete HPQ** and **Ucrete TZ** flooring systems.

**Ucrete TCPU CLEAR** can also be used as a sealer coat for cementitious floors including **MasterTop CTZ** - Cementitious terrazzo.

### ADVANTAGES

- Expert installation by fully trained licensed applicators
- One component to minimise waste
- Rapid curing to minimise downtime

### PACKAGING

**Ucrete TCPU CLEAR** is supplied in 6 kg 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

#### APPLICATION TO UCRETE HPQ

One coat is adequate for most situations, but two or more coats can be applied if a smoother, more attractive but less slip resistant, surface is required.

For best results, the site and material temperatures should be in the range 15-25°C. Minimum substrate temperature 8°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.

Shake the can well before use.

Pour the **Ucrete TCPU CLEAR** into an industrial paint tray and apply by roller to the substrate. Continue rolling to ensure complete coverage and wetting out of all surfaces. Avoid ponding.

It is important to achieve the stated coverage rates of 0.2 kg/m<sup>2</sup>. If applied too thickly, it will whiten.

#### APPLICATION TO UCRETE TZ

One coat applied by squeegee and roller is adequate for most situations.

If a second coat is required it should be applied within 36 hours.

#### APPLICATION TO UCRETE TZAS

One coat applied by squeegee and roller. Do not exceed 50 micron coating.

#### APPLICATION TO CEMENTITIOUS FLOORING INCLUDING MASTERTOP CTZ

One coat applied by squeegee or roller is usually adequate.

If a second coat is applied, it should be within 36 hours.

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## CURING

Prior to application of a subsequent coat, check that the surface is tack-free. The recoating time is dependent upon humidity and temperature, but under most conditions a second coat can be applied after 5 hours. The time between coats **must not exceed 36 hours**.

Normally, full cure is reached after 24 hours, but under very cold, dry conditions this may be extended to 48 hours.

## CLEANING

Tools may be cleaned immediately after use using a suitable thinner (Xylene / MEK / Acetone).

## COVERAGE

For applications on **Ucrete HPQ**

1<sup>st</sup> coat 30-33 m<sup>2</sup>/unit or 0.18-0.20 kg/m<sup>2</sup>  
2<sup>nd</sup> coat 37-43 m<sup>2</sup>/unit or 0.14-0.16 kg/m<sup>2</sup>

For applications on **Ucrete TZ**

1<sup>st</sup> coat 75-150 m<sup>2</sup>/unit or 0.04-0.08 kg/m<sup>2</sup>  
2<sup>nd</sup> coat 100-150 m<sup>2</sup>/unit or 0.04-0.06 kg/m<sup>2</sup>

For applications on **Ucrete TZAS**

One coat >120 m<sup>2</sup>/unit or <0.05 kg/m<sup>2</sup>

For application onto cementitious flooring such as **MasterTop CTZ**

1<sup>st</sup> coat 60-120 m<sup>2</sup>/unit or 0.05-0.1 kg/m<sup>2</sup>  
2<sup>nd</sup> coat (optional) 60-120 m<sup>2</sup>/unit or 0.05-0.1 kg/m<sup>2</sup>

For more detailed information please refer to the latest Method Statement

## 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

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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Ucrete TCPU CLEAR forms part of the Ucrete HPQ, Ucrete HPQAS, Ucrete TZ and Ucrete TZAS systems which are covered by 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

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**Master Builders Solutions**  
**Construction Chemicals LLC**  
P.O. Box 37127, Dubai, UAE  
Tel: +971 4 8090800  
[www.master-builders-solutions.com/en-ae](http://www.master-builders-solutions.com/en-ae)

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