

UCRETE[®] MT

4 – 6 mm Heavy Duty Polyurethane Floor Finish

DESCRIPTION

UCRETE MT provides a lightly textured protective floor finish suitable for applications in wet and dry process environments. It is dense and impervious providing the ideal floor finish for applications in the food and beverage, pharmaceutical and chemical industries and wherever a robust long lived floor is required.

UCRETE Industrial Flooring has been widely used throughout industry for more than 30 years, many of the older floors are still in service. A detailed project reference list is available upon request.

RECOMMENDED FOR

- Food and beverage, pharmaceutical and chemical industries
- Wet and dry process environments

FEATURES AND BENEFITS

- Solvent free and non-tainting
- Robust, long lived floor
- High mechanical strength and a low elastic modulus
- Able to withstand severe impact loads

PERFORMANCE DATA

Samples cured for 28 days at 20°C

Density (BS 6319:Part 5)	2000 kg/m ³
Compressive strength (BS 6319:Part 2)	50 MPa
Tensile strength (ISO R527)	6 MPa
Flexural strength (ISO 178)	14 MPa
Adhesive strength to concrete (BS6319:Part 4)	Concrete failure
Fire Testing: EN13501: Part 1 Surface spread of flame (BS 476:Part 7)	B – S1 Class 2

The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.

Temperature Resistance

The **UCRETE MT** resins do not start to soften until temperatures above 130°C are exceeded. 4 mm **UCRETE MT** floors are fully serviceable to 60 °C.

Non Tainting

UCRETE MT is solvent free and non tainting as tested by the Campden & Chorneywood Food Research Association.

Extensive chemical resistance tables are available in the separate data sheet 'A guide to the chemical resistance of UCRETE Flooring'.

Note: some staining or discolouration may occur with some chemicals depending upon the nature of the spillage and the standards of house keeping employed.

Impact Resistance

With high mechanical strengths and a low elastic modulus, **UCRETE MT** is very resilient and able to withstand severe impact loads. While no material is indestructible and surface chipping may occur, brittle modes of failure resulting in cracking and disbondment are unknown with UCRETE floors.

UCRETE MT continues to meet the requirements of 'Food Sheet No. 22' even after years of hard and steel wheeled traffic.

The **UCRETE MT** surface profiles have coefficient of friction as determined to EN 13038 Part 4 using the 4S rubber on the wet floor as follows:

UCRETE MT 40 - 45

Optimum slip resistance can only be maintained with regular cleaning.

Permeability

UCRETE MT exhibits zero absorption when tested to CP.BM2/67/2.

Substrate Moisture Tolerance

UCRETE Industrial Flooring is extremely tolerant to residual substrate moisture and can be installed directly onto 7 day old concrete, or onto old good quality concretes with high moisture contents without the use of special primers provided there is a functioning DPM within the structure.

This enables rapid construction programmes to be maintained and facilitates refurbishment work in wet process areas.

Epoxy surface DPMs should not be used as they soften under high temperature conditions and will lead to floor failure.

Substrate Quality

Concrete substrates should be visibly dry and have a minimum tensile strength of 1.5 MPa.

Refer to the guide 'The Design & Preparation of Substrates for UCRETE Industrial Flooring'.

PROPERTIES

Colours

UCRETE MT is available in eight standard colours:

Red, Yellow, Green, Orange, Grey, Green/Brown, Cream and Light Grey.

The UCRETE resin systems have been formulated to provide the very highest chemical and heat resistance. As a direct result some yellowing of the installed floor will occur in areas of direct UV exposure. This is most apparent in lighter colours.

CONSUMPTION

Coverage

4 mm: 10 – 11 kg/m²

6 mm: 12 – 14 kg/m²



The Chemical Company

UCRETE[®] MT

CURING

Normally **UCRETE MT** floors can be put into service within 24 hours even at 8 °C.

PACKAGING

Ucrete part 1	2.52 kg
Ucrete part 2	2.86 kg
Ucrete MT part 3	20.0 kg
Ucrete pigment	0.50 kg

CLEANING

Regular cleaning and maintenance will enhance the life and appearance of any floor. **UCRETE MT** is readily cleaned with industry standard cleaning chemicals and equipment. Please consult your local cleaning chemical or equipment supplier.

STORAGE

Store in covered warehouse conditions, above 5°C and below 30°C, out of direct sunlight. Materials must be raised off the floor and kept dry. Parts 1 and 2 must be protected from frost.

PRECAUTIONS

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.

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.

SUcreteMT/v1/0410

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** 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. **BASF Construction Chemicals data sheets are updated on a regular basis and it is the user's responsibility to obtain the most recent issue.**

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF Construction Chemicals**, are responsible for carrying out procedures appropriate to a specific application.

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