

# Ucrete<sup>®</sup> UD200

Heavy duty polyurethane hybrid flooring system

## DESCRIPTION

**Ucrete UD200** is a single layer, seamless, solvent-free, polyurethane flooring system. Its textured matt finish possesses excellent chemical resistance, withstands abrasive wear; has high impact resistance and withstands direct steam contact.

## RECOMMENDED USES

**Ucrete UD200** is recommended for conditions requiring maximum chemical resistance, slip resistance and clean ability, especially in extreme temperature environments.

Specific applications include:

- Meat, fish and poultry processing
- Food and beverage production
- Dairies, cheese and milk production
- Commercial and industrial kitchens
- Cold rooms, chillers and freezers
- Pharmaceutical production
- Chemical plants

## FEATURES AND BENEFITS

- **Expert application** - Installed only by trained and approved specialist contractors.
- **Fast application/rapid access** - Can be applied to 6-day-old concrete or 2 day old polymer screeds.
- **Short curing time** - 8 hour access to foot traffic; 24 hours for vehicles.
- **Hygienic/Safe** - Slip resistant, non-tainting, non-dusting, monolithic (minimum joints), easy to maintain, microbiologically inert.
- **Durable/long life** - Wide chemical resistance, wear and impact resistant, resists temperatures from -40°C to 120°C at 9 mm thickness; resistant to occasional spillage to 150°C; more than 25 years of international use.
- **Pre-packed** - Pre-weighed/ pre-packed for immediate use; batch-to-batch colour-matched for consistency.

- **Colors** - Yellow, Cream, Orange, Red, Green and Grey

## ACCREDITATION

**Ucrete UD200** has approval for use as flooring for HACCP accredited facilities.



**EUROFINS Certificate Indoor Air Comfort Gold**

**Certificate number 2012- IACG- 36**

## PROPERTIES

Compressive Strength (BS6319:Part 2)	58 MPa
Flexural Strength (ISO178)	14 MPa
Dynamic E-Modulus (ASTM C597-83)	19.5 GPa
Tensile Strength (ISO R527)	6 MPa
Concrete Adhesion (BS6319:Part2)	concrete fails
Abrasion Resistance (Taber H22) BS 8204-2	1390mg Class AR 0.5
Coeff. Thermal Expansion (ASTM C531)	$2.4 \times 10^{-5} \text{ } ^\circ\text{C}^{-1}$
Thermal Conductivity (BS874)	1.1W/m°C
Surface Resistivity (BS2050)	$3 \times 10^{-4}$ ohms
Density (BS6319:Part 5)	2090 kg/m <sup>3</sup>
Water Adsorption (CP.BM 2/67/2)	0 mL
Surface Spread of Flame (BS476:Part 7)	Class 2
Service temperatures	
12mm	- 40°C to 130°C
9 mm	- 40°C to 120°C
6 mm	- 15°C to 80°C*

Samples cured for 28 days at 20°C.

\*Excursions to 90°C during cleaning allowable

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.



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## Chemical Resistance

For detailed information, please contact your local BASF office for guidance.

## Substrate Moisture Tolerance

**Ucrete** Industrial Flooring is extremely tolerant to residual substrate moisture and can be installed directly onto 5 day old concrete, or onto sound existing concrete with high moisture contents without the use of special primers provided there is a functioning Damp Proof Membrane below the slab. This enables rapid refurbishment work in wet process areas. Epoxy surface DPMs offer no benefit and should not be used with **Ucrete** floors.

## UV Resistance

The **Ucrete** resin systems have been formulated to provide the very highest chemical and heat resistance. UV exposure though not affecting the performance of the **Ucrete** will result in yellowing of the floor which is most apparent in light colours.

## ESTIMATING DATA

2.25 to 2.50 kg/m<sup>2</sup>/mm thickness  
6mm – 13 to 15 kgs  
9mm – 19 to 22 kgs  
12mm – 24 kgs

## PACKAGING

**Ucrete UD200** is supplied as complete units for immediate use, consisting of:

<b>Ucrete UD200</b> Part 1	2.52 kg
<b>Ucrete UD200</b> Part 2	2.86 kg
<b>Ucrete UD200</b> Part 3	24.8 kg
Liquid Pigment Sachet	0.5 kg

## APPLICATION

### Priming

**Ucrete UD200** shall be applied to a cured scratch coat of **Ucrete MF** of 1 mm nominal thickness.

For information about application, please obtain a copy of the BASF "Application Guide for **Ucrete®**" from your local representative

## SHELF LIFE

**Ucrete UD 200** has a shelf life of 12 months. Store in covered warehouse conditions above 5°C and out of direct sunlight. Materials must be raised off the floor and kept dry. Parts 1 and 2 must be protected from frost and if frozen should be discarded.

### 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.

### 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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## PRECAUTIONS

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 Material Safety Data Sheet (MSDS) from our office or our website.

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