

Ucrete[®] 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 cleanability, 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.
- **Colours** - Yellow, Cream, Orange, Red, Green and Grey.

ACCREDITATION

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



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)	1390mg
Coeff. Thermal Expansion (ASTM C531)	2.4x10 ⁻⁵ °C ⁻¹
Thermal Conductivity (BS874)	1.1W/m°C
Surface Resistivity (BS2050)	3x10 ⁻⁴ ohms
Density (BS6319:Part 5)	2090 kg/m ³
Water Adsorption (CP.BM 2/67/2)	0 mL
Surface Spread of Flame (BS476:Part 7)	Class 2
Service temperatures	
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.

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



The Chemical Company

Ucrete® UD200

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.

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.

ESTIMATING DATA

2.25 to 2.50 kg/m²/mm thickness

PACKAGING

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

Ucrete UD200 Part 1	2.52 kg
Ucrete UD200 Part 2	2.86 kg
Ucrete UD200 Part 3	24.8 kg
Liquid Pigment Sachet	0.5 kg

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.

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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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF 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, are responsible for carrying out procedures appropriate to a specific application.

BASF Australia Ltd
ABN 62008437867
Construction Chemicals Division
11 Stanton Road Seven Hills, NSW 2147

Sales Offices:
Sydney, Brisbane, Melbourne,
Adelaide, Perth
Freecall: 1300 227 300

BASF Emergency Advice:
1800 803 440 within Australia (24hr)
0800 944 955 within New Zealand

BASF New Zealand Ltd
BASF WEB SITES

45 William Pickering Drive, Albany, Auckland, Phone: 0800 334 877
www.basf-cc.com.au www.basf-cc.co.nz