

Ucrete® DP

Heavy duty non slip polyurethane hybrid flooring system

DESCRIPTION

Ucrete DP has a unique heavy duty Polyurethane hybrid technology with exceptional resistance to aggressive chemicals, heavy impact and temperatures from -40°C up to 120°C.

Ucrete DP is a family of products with defined surface profiles suitable for applications in wet and dry process environments.

It is dense and impervious, providing an ideal floor finish for applications in the food and beverage, pharmaceutical and chemical industries and wherever a robust long lived floor is required.

RECOMMENDED USES

Ucrete DP is recommended for conditions requiring maximum chemical resistance and a slip-resistant surface.

Specific applications include:

- Textile and film plants
- Food and beverage production
- Warehousing and storage
- Confectionery production
- Electronic component manufacture & assembly
- Pharmaceutical production
- Chemical plants

The extremely robust aggregates used to provide the texture of **Ucrete DP 20** and **Ucrete DP 30** are designed to maintain optimum slip resistance for many years. Where there is heavy hard wheeled traffic it is recommended that **Ucrete DP 30** is used.

FEATURES AND BENEFITS

- **Expert application** - Installed only by trained and approved specialist contractors.
- **Fast application** - Can be applied to 6-day-old concrete and 2-day-old polymer screeds.
- **Short curing time** - 8 hour access to foot traffic; 24 hours for vehicles.
- **Hygienic/safe** - Non-tainting, non-dusting, monolithic (minimum joints); easy to maintain; microbiologically inert.
- **Durable/long life** - Broad chemical resistance; wear and impact resistant; resists temperatures

from -40°C to 120°C; many years of international use.

- **Pre-packed** – pre-weighed / pre-packed for immediate use; batch-to-batch colour-matched for consistency.
- **Non Tainting** - solvent free and non-tainting as tested by the Campden & Chorleywood Food Research Association.
- **Colours** - Red, Yellow, Green, Orange, Grey, Cream.

ACCREDITATION

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



EUROFINS Certificate Indoor Air Comfort Gold

Certificate number 2012- IACG- 36

PROPERTIES

Slip resistance* – TRRL with 4S rubber Ucrete DP 10 Ucrete DP 20 Ucrete DP 30	50-60 55-75 60-80	
Slip resistance* – DIN 51130 Ucrete DP 10 Ucrete DP 20 Ucrete DP 30	R11 R13 R13	---- V4 V8
Tensile strength (ISO R527)	5 - 7 MPa	
Flexural strength (ISO 178)	12 – 14 MPa	
Compressive Strength (BS 6219:Part 2)	48-54 MPa	
Adhesive strength (BS6319:Part 4)	Concrete failure	
Thermal expansion (ASTM C531:Part 4.05)	2 – 6 x 10 ⁻⁵ °C ⁻¹	
Thermal conductivity (BS 874)	1.1 W/m °C	
Surface spread of flame (BS 476:Part 7)	Class 2	
Water Adsorption (CP.BM 2/67/2)	0 mL	



The Chemical Company

Ucrete® DP

Samples cured for 28 days at 20°C.

*Optimum slip resistance can only be maintained with regular cleaning.

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.

Cleaning and Hygiene

Ucrete DP is cleaned using industry standard cleaning chemicals and equipment. The use of a food industry standard scrubber drier machine is recommended.

Temperature Resistance

Ucrete DP does not start to soften until temperatures above 130°C. A 9mm **Ucrete DP** floor is fully serviceable up to 120°C and can withstand regular and routine discharges of boiling water, hot oils and fats.

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.

CURING

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

APPLICATION

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

ESTIMATING DATA

Coverage 2.45-2.5 kg / m² at 1 mm thickness.

PACKAGING

Ucrete DP is supplied in:

Ucrete DP Part 1	2.52 kg
Ucrete DP Part 2	2.86 kg
Ucrete BC4 Part 3	13.0 kg
Ucrete BC6 Part 3	17.3kg
Ucrete BC9 Part 3	21.0kg
Ucrete Liquid Pigment	0.5 kg
Ucrete DP Topcoat Part1	0.77kg
Ucrete DP Topcoat Part 2	1.09kg
Ucrete DP Topcoat Part3	1.36 kg
Ucrete Liquid Pigment	0.5kg

SHELF LIFE

Ucrete DP 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 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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