

Ucrete[®] MF AS

Anti Static, Medium Duty Polyurethane hybrid flooring system

DESCRIPTION

Ucrete MF AS is a single layer, seamless, solvent-free, polyurethane flooring system with a smooth matt surface finish. It has high impact resistance and withstands a wide spectrum of chemicals and abrasive wear.

Ucrete MF AS meets the antistatic flooring specifications DIN 51953, BS 2050 (explosive handling areas) and obtain ESD approval according to IEC 61340.

RECOMMENDED USES

Ucrete MF AS is recommended for conditions requiring maximum chemical resistance in an antistatic environment.

Specific applications include:

- Electronics and component assembly
- Clean rooms
- Pharmaceutical production
- Explosive and ammunition storage & handling
- Textile and fibre production
- Chemical plants

FEATURES AND BENEFITS

- **Expert Application-** Installed only by trained and approved specialist contractors.
- **Fast application-** Can be applied to 5-day-old concrete/2 day old polymer screed.
- **Short curing time** - 8 hour access to foot traffic; 20 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 temperature from -20°C to 60°C at 6 mm thickness; 5 years of international use.

- **Prepacked-** Preweighed/ prepacked for immediate use; batch-to-batch colour matched for consistency.

- **Colours** - Yellow, Orange, Red, Green, Grey, Light Grey, Cream

-

ACCREDITATION

Ucrete MF AS has approval for use as flooring for HACCP accredited facilities.



EUROFINS Certificate Indoor Air Comfort Gold

Certificate number 2012- IACG- 36

Ucrete[®] MF AS

PROPERTIES

Density (BS6319:Part 5)	1,970 kg/m ³
Compressive Strength (BS6319:Part 2)	55 N/mm ²
Tensile Strength (ISO R527)	14000 N/mm ²
Flexural Strength (ISO 178)	21 N/mm ²
Dynamic E-Modulus (ASTM C597-83)	14000 N/mm ²
Concrete Adhesion (BS6319: Part 4)	concrete fails
Coeff. Thermal Expansion (ASTM C531:Part 4.05) °C ⁻¹	3.6x10 ⁻⁵ °C ⁻¹
Thermal Conductivity (BS8740)	0.9 W/m°C
Taber abrasion resistance (ASTM D4060)	
H22 wheels	1410 mg
CS17 wheels	120 mg
Water absorption(CP:BM 2/67/2)	0 mL
Surface Spread of Flame (BS476:Part 7)	Class 2
Sensory evaluation (C & CFRA method TES-S-002)	No taint

Resistance to earth DIN 51953 EN 1081	< 10 ⁶ ohm < 10 ⁶ ohm
VOC content: (HK prod code P10-05)	10 g/L
Service températures 6 mm 4 mm	-20°C to 80°C -10°C to 60°C

Samples cured for 28 days at 20°C.

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.

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

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.

®= Registered Trademark of BASF Group in many countries of the world

BASF Chemicals & Polymers Pakistan (Pvt) Ltd.
Construction Chemicals Division
 46-A, Block-6, P.E.C.H.S.,
 Shahrah-e-Faisal,
 Karachi-75400

email: mohsin.zia@basf.com

Karachi
 Tel:021 111 550 550

Lahore
 Tel: 042 111 550 550

Islamabad
 Tel: 051 4446106-08

Website: www.master-builders-solutions.basf.pk



The Chemical Company

Ucrete[®] MF AS

Ucrete MF AS shall be applied to cured scratch coat of **Ucrete MF AS** of 1mm nominal thickness. For information about application, please obtain a copy of the BASF "Application Guide for Ucrete" from your local representative.

Ucrete MF AS Part 3	11.00kg
Ucrete Liquid Polykit Pigment	0.05Kg

ESTIMATING DATA

4mm : 8 to 10 kg/m²
6mm : 12 to 14 kg/m²

SHELF LIFE

Ucrete MF AS 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.

PACKAGING

Ucrete MF AS is supplied as a unit for immediate use, consisting of:

Ucrete MF AS Part 1	2.52kg
Ucrete MF AS Part 2	2.86kg

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

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.

®= Registered Trademark of BASF Group in many countries of the world

BASF Chemicals & Polymers Pakistan (Pvt) Ltd.
Construction Chemicals Division
46-A, Block-6, P.E.C.H.S.,
Shahrah-e-Faisal,
Karachi-75400

email: mohsin.zia@basf.com

Karachi
Tel:021 111 550 550

Lahore
Tel: 042 111 550 550

Islamabad
Tel: 051 4446106-08

Website: www.master-builders-solutions.basf.pk



The Chemical Company

Ucrete[®] MF AS

our office or our website.

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.

®= Registered Trademark of BASF Group in many countries of the world

BASF Chemicals & Polymers Pakistan (Pvt) Ltd.
Construction Chemicals Division
46-A, Block-6, P.E.C.H.S.,
Shahrah-e-Faisal,
Karachi-75400

email: mohsin.zia@basf.com

Karachi
Tel:021 111 550 550

Lahore
Tel: 042 111 550 550

Islamabad
Tel: 051 4446106-08

Website: www.master-builders-solutions.basf.pk
