

Ucrete[®] MF

Medium duty polyurethane hybrid flooring system

DESCRIPTION

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

RECOMMENDED USES

Ucrete MF is recommended for conditions requiring the maximum chemical resistance and where a smooth, even and easy to clean surface is required.

Specific applications include:

- Textile and film plants
- Food and beverage production
- Warehousing and storage
- Confectionery production
- Electronic component manufacture & assembly
- 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 4-day-old concrete/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** - Wide chemical resistance; wear and impact resistant; resists cleaning temperature up to 80°C at 6 mm thickness and at 3mm to 60 °C; 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 MF 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) | 55 N/mm ² |
| Flexural Strength (ISO178) | 21 N/mm ² |
| Dynamic E-Modulus (ASTM C597-83) | 14000 N/mm ² |
| Tensile Strength (ISO R527) | 9 N/mm ² |
| Concrete Adhesion (BS6319:Part2) | concrete fails |
| Abrasion Resistance BS 8204-2 (Taber H22) (Taber CS17) | 1410 mg 120 mg Class AR 0.5 |
| Coeff. Thermal Expansion (ASTM C531) | 3.6x10 ⁻⁵ °C ⁻¹ |
| Thermal Conductivity (BS874) | 0.9 W/m°C |
| Surface Resistivity (BS2050) | 2x10 ¹¹ ohms |
| Density (BS6319:Part) | 1970 kg/m ³ |
| Water Adsorption (CP.BM 2/67/2) | 0 mL |
| Surface Spread of Flame (BS476:Part 7) | Class 2 |
| Service temperatures | |
| 6 mm | - 15°C to 80°C |
| 3 mm | - 15°C to 60°C* |



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Samples cured for 28 days at 20°C.

*Excursions to 80°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.

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

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

Priming

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

ESTIMATING DATA

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

4mm : 8 to 10 kg/m²

6mm : 12 to 14 kg/m²

PACKAGING

Ucrete MF is supplied in units for immediate use, consisting of:

| | |
|--------------------------------------|---------|
| Ucrete MF Part 1 | 2.52 kg |
| Ucrete MF Part 2 | 2.86 kg |
| Ucrete MF Part 3 | 14.4 kg |
| Ucrete Liquid Polykit Pigment | 0.5 kg |

SHELF LIFE

Ucrete MF 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

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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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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