

Ucrete[®] RG

Heavy Duty Polyurethane Hybrid Render

DESCRIPTION

Ucrete RG has a unique heavy duty Polyurethane resin technology with exceptional resistance to aggressive chemicals, heavy impact and temperatures up to 120°C.

Ucrete RG provides a robust render for vertical applications in wet and dry process environments. It is dense and impervious, providing the ideal finish for applications in the food and beverage, pharmaceutical and chemical industries.

Ucrete Industrial Flooring has been widely used throughout industry for more than 30 years; many of the older floors are still in service. A detailed project reference list is available upon request.

RECOMMENDED USES

Ucrete RG is used to protect vertical surfaces including:

- Plinths
- Drains
- Secondary containment bunds
- Tank bases
- Sumps
- Effluent storage pits
- Coving and skirting

FEATURES AND BENEFITS

- **Fast application** - Suitable for application onto 7 day old concrete and 3 day old polymer screeds
- **Rapid installation** - Up to 9 mm in a single application
- **Fast cure** - Achieves full cure in only 48 hours (subject to temperature)
- **Non Tainting** - Is solvent free and non-tainting as tested by the Campden & Chorleywood Food Research Association
- **Temperature Resistant** - Steam cleanable (9mm or greater)

- **Colors** - Red, Yellow, Green, Orange, Grey, Green/Brown, Cream and Light Grey.

PROPERTIES

Density (BS 6319:Part 5)	2090 kg/m ³
Compressive strength (BS 6319:Part 2)	52 MPa
Tensile strength (ISO R527)	7 MPa
Flexural strength (ISO 178)	15 MPa
Compressive modulus (BS 6319:Part 6)	3250 MPa
Adhesive strength to concrete (BS6319:Part 4)	Concrete failure
Fire Testing: EN13501: Part 1 Surface spread of flame (BS 476:Part 7)	B – S1 Class 2
Water Adsorption (CP.BM 2/67/2)	0 mL

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.

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.



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APPLICATION

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

Substrate Quality

Concrete substrates should be visibly dry and have a minimum tensile strength of 1.5 MPa.

Refer to the guide 'The Design & Preparation of Substrates for Ucrete[®] Industrial Flooring.'

ESTIMATING DATA

Coverage

4 mm: 8 - 9 kg/m²

6 mm: 12 - 13 kg/m²

9 mm: 18 - 20 kg/m²

PACKAGING

Ucrete RG part 1	0.71 kg
Ucrete RG part 2	1.09 kg
Ucrete RG part 3	9.53 kg
Ucrete pigment	0.50 kg

SHELF LIFE

Ucrete RG has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, obtain a copy of the BASF Material Safety Data Sheet (MSDS) from 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

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