



# UNIDECK CR

## Micaceous Iron Oxide Paint HB

**PRODUCT CODE: 7149**

### Description

UNIDECK CR Micaceous Iron Oxide Paint HB is a high build weather resistant and thermoplastic Deck Paint based on chlorinated rubber and dosed with micaceous iron ore particles.

Easily applied in a single pass in film thicknesses of approx. 100 microns dry (210 microns wet).

As per COT specification 18.21 TG.

The elasticity and presence of micaceous iron ore particles in this coating give the substrate optimum protection from climatic influences. Forms a tough, sealed paint film.

### Features

- reversible
- excellent corrosion inhibition
- can be applied in thick layers in a single pass
- high filling power
- a tough, sealed paint film
- excellent adhesion
- suitable for brush, roller and spray application
- extremely weatherproof

### Uses

For industrial applications such as lampposts, railings, wireless masts and other metal structures where the mechanical duty is low, and optimum protection from extreme climatic conditions is required. Direct on thermally zinc-plated steel and steel that has been coated with corrosion-inhibiting primers based on chlorinated rubber.

### Specifications

(at 20°C and 65% R.H.)

Colour	: div. colours on request
Gloss level	: satin matt
Specific gravity	: 1.48 kg/l
Solids content	: ± 68% wt./ approx. 45% vol.
Theoretical coverage	: approx. 5.6 m <sup>2</sup> /l. at 80 µm dry film thickness
Practical coverage	: approx. 3.4 m <sup>2</sup> /l at 80 µm dry film thickness
Shelf life in can	: min. 2 years in original, unopened packaging (5 – 25°C)

### APPLICATION INSTRUCTIONS



#### Surface preparation

##### Thermally zinc-plated steel

The surface must be completely clean, dry, and free of grease and rust. Preferably remove any zinc salts that may be present, using zinc cleaner or by coarse brushing. Rinse away the zinc cleaner with copious clean water.

First sand old and intact paint layers.

##### Blasted steel

Preferably grit-blast to bare metal SA 2½, otherwise remove corrosion thoroughly either mechanically or by hand. Substrate must be dry, and free of grease, dirt and similar.



#### Viscosity and thinning

Unideck CR or BICCS Thinner 0102

For paint and roller application: 0 – max. 5%  
Viscosity: approx. 7.5 dPas; ICI Cone & Plate at 25°C

**Elasticity:** > 5 mm Erichsen after aging  
72 hours at 40°C



#### Recommended film thickness

Min. 160 µm wet

Min. 70 µm dry.

#### Method of application

Lay on using a brush, roller brush, or airless spray.

For airless application, thin approx. 5%.

For information about spray application: please contact our technical service.



#### Tool cleaning

Unideck CR Thinner or Thinner



#### Drying times

Touch-dry

Tack free

For overcoating

approx. 3 hours

approx. 4 hours

approx. 24 hours but preferably after 2 to 3 hours.

Data at 20°C and 65% RH



## Substrates

Intact existing paint layers based on chlorinated rubber  
Blasted steel  
Thermally zinc-plated steel (galvanised, Senzimir)

## Special considerations and surface preparation

### Thermally zinc-coated steel

System "A" :

Preferably remove any zinc salts that may be present, using zinc cleaner or by coarse brushing. Rinse away the zinc cleaner with copious clean water. Substrate must be dry, and free of grease, dirt and similar.  
Topcoat with 1 layer of Unideck CR Micaceous Iron Oxide Paint HB in a wet film thickness of 210 microns (100 microns dry).

System "B" :

Prepare as for system "A" . Undercoat with Unideck CR Zinc Phosphate Primer HB in a wet film thickness of at least 126 microns (60 microns dry). After 2 to 3 days, topcoat with Unideck CR Micaceous Iron Oxide Paint HB in a wet film thickness of no less than 170 microns (80 microns dry).

### Steel

Preferably grit-blast to bare metal SA 2½, otherwise remove corrosion thoroughly either mechanically or by hand. Substrate must be dry, and free of grease, dirt and similar. 2 x undercoat with Unideck CR Zinc Phosphate Primer HB with wet film thicknesses each of 110 microns (dry total 100 microns). Once sufficiently hard dries, topcoat with Unideck CR Micaceous Iron Oxide Paint HB in a wet film thickness of no less than 170 microns (80 microns dry).

N.B. If the environmental duty of the paint system is expected to be very high, then 1 extra primer or topcoat layer in the system is highly recommended.

May also be used as renovation system for steel surfaces protected by other coatings. The behaviour of both systems should be investigated beforehand.

See also our patented Unideck Eco System for reduced impact on the environment.

### *Warning/restricted applicability*

Considering the great diversity of purpose-specific aluminium alloys available in the market, it is impossible for us to recommend a single coating system that will apply to all kinds of aluminium. Our product data is generally based on pure, unalloyed aluminium, also known as the 1000 series.

### Safety

See the appropriate safety sheet

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The information provided in this product information sheet is based on accurate testing carried out in our laboratory, and is intended solely as a guideline. All recommendations and suggestions related to the use of products produced by BICCS, including but not limited to that provided in technical documentation or in response to a specific question, is based on data that we have compiled to the best of our knowledge. The products and information are intended for users in possession of the required specific knowledge and industrial skills, and the suitability of any product for any purpose whatsoever remains at all times the responsibility of the end user.

BICCS bv has no knowledge of the quality or condition of the substrate, nor of the many factors that can influence the use and application of the product. BICCS therefore accepts no liability of any kind pertaining to loss or damage as a consequence of the use of or reference to this data sheet, except where otherwise agreed in writing.

The data in this information sheet is subject to amendment, and is the result of practical experience and continuous product development. This data sheet replaces all earlier publications, and it is therefore the responsibility of the user to make certain that this sheet is the correct version, before proceeding to use the product to which it pertains.



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## INDUSTRIAL COATING & COLOURANT SYSTEMS

N.B. De technische gegevens in deze publicatie steunen op onze huidige kennis. Zij gelden als aanduiding en leveren u vrijblijvend een beeld van de toepassingsmogelijkheden van onze producten. De gegevens kunnen door een recentere uitgave gewijzigd worden.

Please note: The technical data in this publication are based on our current knowledge. These should be regarded as indicative, providing an impression of possible applications of our products without obligations. The data may be updated or changed in future editions.