



BICHODUR 2K DTM MATT

PRODUCT CODE: 9251

Description

BICHODUR 2K DTM MATT is a high quality 2 component "direct-to-metal" coating based on a non-yellowing acrylate resin combination with an aliphatic isocyanate hardener.

BICHODUR 2K DTM MATT is specially developed for application as a single-layer coating for various ferrous and non-ferrous metals and hard plastics.

Features

- single-layer "Direct-To-Metal" system
- excellent direct adhesion to steel, grit blasted steel, aluminium and zinc-plated steel
- can be applied in very thick layers
- corrosion-inhibiting
- non-yellowing
- air and forced drying
- good adhesion to various plastics

Uses

As durable 2K enamel for industrial applications where stringent demands apply for outdoor durability, hardness and wear-resistance. Also as primer for the Bichodur 2K DTM product line.

Specifications

(at 20°C)
(without spray thinning)

Finish	: matt
Gloss level (60°)	: approx. 10%
Colour	: As per BICCS "BC-S"
Theoretical coverage	: approx. 12 m ² /l at 40 µm dry film thickness
Specific gravity	: 1.35 g/ml
Solids content	: 67% wt. / 50% vol.
Flash point	: 25°C
Application conditions	: min. 5°C / 80% R.H.
VOC content	: 440-450 g/l (supply visc.)
Shelf life in can	: min. 1 year in original unopened packaging (5 – 25°C)

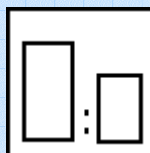
APPLICATION INSTRUCTIONS



Surface preparation

The surface must be completely clean, dry, and grease-free. Thoroughly remove any rust, corrosion, zinc salts etc. or loose materials. We recommend grit blasting (SA2½) or machine sanding the substrate, plus degreasing with a suitable agent for the substrate in question. Thoroughly sand old, intact paint layers. If in doubt about the substrate, first paint a test area and assess the adhesion.

To prevent condensation, the surface temperature must be at least 3°C above dew point.



Mixing ratio

Tinted base : hardener 9280
6 : 1 by volume

Hardener

Bichodur 2K DTM Hardener 9280

Potlife (20°C)

4 hours

Supply form (mixed)

80-120 sec DIN cup 4



Viscosity and thinning

BICCS Thinner 0102

Air spray: 15 – 25% BICCS Thinner 0102

Airless: 10 – 15% BICCS Thinner 0102

Air spray

Nozzle 1.2 – 1.8, 3 to 4 bar
25 – 30 sec. DIN cup 4

Airless

Nozzle 0.009"- 0.011"
150 – 180 bar
30 – 50 sec. DIN cup 4



Spraying instructions

1 – 2 cross-coats

Recommended film thickness:

Min. 150 µm wet
Min. 75 µm dry

Tool cleaning

Washing thinner or BICCS thinner 0102



Drying times

Touch-dry	- approx. 30 min.
Tack free	- approx. 1 hour
Hard dry	- approx. 2.5 hours
For overcoating	- approx. 24 hours
For re-spraying	- after 10-15 min.
For sanding	- approx. 24 hours
Cured	- approx. 5 days

Data at 20°C and 65% RH



Substrates

Steel, grit blasted steel and thermally zinc-plated steel (galvanised, Senzimir zinc-plating), electrolytically galvanised steel (Zincor, Metalco), aluminium, stainless steel, synthetics (Trespa, hard PVC, polyester, HD polyethylene, ABS, polypropylene).

Warning/restricted applicability

Because of the diversity of metal alloys in the market, plus the widely-ranging composition of synthetic materials, in case of doubt as to the properties of a substrate, we recommend that you first paint a test area, and carefully assess the suitability of the DTM system for the substrate in question.

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.

Additional Information

Bichodur 2K DTM can be obtained from the BICCS Industrial Colour System "**S**" in virtually every colour, and in various packaging units. The BICCS Industrial Colour System "**S**" colour mixing system is based on a system of (only!) 15 universal colour pastes and 2 base enamels (white and semi-transparent) enabling a consistently high coverage across the entire range of colours. The colour pastes used in the BICCS Industrial Colour System "**S**" are free of lead and aromatics.

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.