



AQUA 1C BICHOLUX MATT SYSTEM COATING



PRODUCT CODE: 5255

Description

Aqua 1C Bicholux Matt System Coating is a waterborne, fast-drying single component high build coating that can function as a primer, but also as a one-coat paint system (primer & enamel in one).

Aqua 1C Bicholux Matt System Coating is both lead and chromate-free.

Features

- Good direct adhesion to various substrates;
- Waterborne 1C coating
- Fast-drying one-coat paint system
- High film thickness range
- Good filling and corrosion-inhibiting
- Excellent colour-fastness
- High outdoor durability
- Suitable for brush, roller, air spray, airless and airmix application.

Uses

As one-coat paint system or as basecoat on steel and old paint layers (after sanding). Also suitable for metallized substrates and galvanized steel.

Universal and very versatile coating for a wide variety of industrial objects that require a durable and weatherproof coating.

Note!

If applied to aluminium, thermally zinc-coated steel or Sendzimir galvanized steel, the substrate should first be lightly sand-blasted.

Specifications

(tinted product at 20°C)

Finish	: Matt
Gloss level	: approx 20%
Colour	: colours as per the BC-W Colour System
Viscosity	: viscous
Specific gravity	: approx. 1.3 kg/l
Solids content	: 56 % wt./ 42 % vol.
VOC content	: approx. 47 g/l
Application:	
minimum temperature	: +10°C
max rel. humidity	: 80 %
(during application & drying)	
Theoretical coverage	
DFT 75µm	: 5.3 m ² / l
Shelf life in can	: 12 months

APPLICATION INSTRUCTIONS



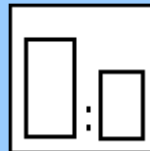
Surface preparation

The surface must be completely clean, dry, and grease-free. First sand old and intact paint layers. The surface preparation must be thorough enough to create a good substrate for application of the coating.

Colour paste mixing ratio

15% by volume

For colour paste dosage, see BICCS BC-W recipes.



Viscosity and thinning:

Tapwater. Depending on the temperature and application conditions, the paint can be thinned if necessary up to max. 5%.

Air spray:

Thinning: 0-5%
Nozzle: 1.5 – 2.0 mm
Pressure: 3-4.5 bar



Airless:

Thinning: 0-5 %
Nozzle: 0.011”-0.013”
Pressure: 160-210 bar

Airmix:

Thinning: 0-5%
Nozzle: 0.011”-0.013”
Pressure: 150-180 bar



Recommended film thickness

Min. 200 µm - 400 µm wet
Min. 75 µm - 150 µm dry

Tool cleaning

Biqua reinerger



Drying times

Touch-dry 30 minutes
Handleable 60 minutes
For overcoating ± 4 hours

Forced drying at 40 to 80°C possible.

* data based on colour RAL9010, measured at 20°C and 65% RH



Top coats

Depending on the substrate and application, Aqua 1C Bicholux Matt System Coating can be used as a one-coat paint system, but can also function as a primer in a multi-coat system. A suitable enamel top coat must be selected that fulfils the requirements for the intended purpose of the object to be primed. Various 1 and 2 component BICCS (Aqua) products are available for this purpose.

For a specific recommendation, please contact BICCS Almere.

If there is any doubt as to the suitability of an enamel top coat on Aqua 1C Bicholux Matt System Coating, and/or the adhesion of Aqua 1C Bicholux Matt System Coating on a certain substrate, you should always paint a test area in order to verify the result.

Drying times

The drying time of Aqua 1C Bicholux Matt System Coating depends strongly on the temperature, humidity, ventilation and applied film thickness. Excessive humidity and temperature that is too low can lead to extended drying times.

Good air ventilation over the substrate can have a very positive effect on the touch- and hard-drying of the product.

The ideal conditions for application and drying are approximately 18°C to 23°C (object temperature between 12°C and 25°C), and a humidity of 45 to 65%.

Storage

This product must be stored frost-free. Freezing can cause irreparable harm to the quality of the product. To avoid deterioration, the product must be stored at a temperature no lower than 5°C and no higher than 40°C.

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 data sheet is based on precision 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 using or referring 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 for the product, before starting to use the product.



Dukdalfweg 41 – 1332 BK Almere – Postall address: P.O. Box 30109 – 1303 AC Almere – The Netherlands
Telephone: +31 (0)36 – 5492066 – Fax: +31 (0)36 – 5370286 – www.biccs.nl – Email: info@biccs.nl

INDUSTRIAL COATING & COLOURANT SYSTEMS

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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.