



# AQUA 1C BICHOLUX HIGH GLOSS ENAMEL



**PRODUCT CODE: 5253**

## Description

Aqua 1C Bicholux High Gloss Enamel is a single-component, fast-drying waterborne enamel based on modified alkyd resins.

Aqua 1C Bicholux High Gloss Enamel can be applied by brush, roller, air spray, airless and airmix.

## Features

Aqua 1C Bicholux High Gloss Enamel is a user-friendly single-component enamel that dries very fast and has a long gloss retention. Carefully chosen high quality colour pigments guarantee a superior colour fastness.

Aqua 1C Bicholux High Gloss Enamel is always both lead and chromate-free, whatever the colour.

With the aid of the BICCS BC-W Industrial Colour System [8300 series], Aqua 1C Bicholux High Gloss Enamel is available in every possible RAL colour.

## Uses

As tough high gloss topcoat on metal industrial assemblies such as earthmoving and agricultural equipment, forklifts, machinery, tools, automotive chassis, transport containers and other objects that need durable protection.

Aqua 1C Bicholux High Gloss Enamel must be applied over a suitable primer layer specifically matched to the substrate of the object.

## Specifications

(tinted product at 20°C)

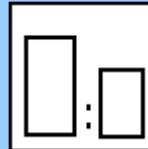
Finish	: high gloss
Gloss level	: > 80 %
Colour	: colours as per the BC-W Colour System
Viscosity	: viscous
Specific gravity	: 1.2 kg/l
Solids content	: 52 % wt./ 35% vol.
VOC content	: approx. 60 g/l
Application:	
minimum temperature	: +10°C
max rel. humidity	: 70 % (during application & drying)
Theoretical coverage	
DFT 40µm	: 9 m <sup>2</sup> / l
Shelf life in sealed packaging	: 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 recipe.



### Viscosity and thinning:

Tapwater. Depending on the temperature and application conditions the product may be thinned if necessary to max. 10%.

	Air spray	Airless / airmix
Thinning	0-5 %	0-5 %
Viscosity (DIN cup 6)	30-60 sec	30-60 sec
Nozzle	1.5 - 1.8 mm	0.009" - 0.011"
Pressure	3.0-4.5 bar	100 - 150 bar



### Recommended film thickness

Min. 110 µm wet  
Min. 40 µm dry

### Tool cleaning

Biqua Cleaner



### Drying times

Touch-dry 60 minutes  
Handleable 3 hours  
For re-spraying approx. 3 hours  
Cured 7 days

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



## Substrates

Depending on the substrate, a suitable primer must first be applied that will give adhesion to the object, optionally in combination with active anticorrosive properties. 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 this product on a certain substrate, you should always paint a test area.

## Drying times

The drying time of Aqua 1C Bicholux High Gloss Enamel 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.

## 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.



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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.