



AQUA 2C BICHOOTHANE SATIN GLOSS ENAMEL



PRODUCT CODE: 5056

Description

Aqua 2C Bichothane Satin Gloss Enamel is a waterborne 2C industrial enamel based on special polyurethane binders.

Features

Aqua 2C Bichothane Satin Gloss Enamel features a superior hardness and abrasion resistance and optimum chemical resistance.

Aqua 2C Bichothane Satin Gloss Enamel guarantees long-lasting protection.

Aqua 2C Bichothane Satin 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 2C Bichothane Satin Gloss Enamel is available in every possible RAL colour.

Uses

As high quality glossy enamel on a wide range of industrial objects, where the quality of the conservation process may not be compromised by environmental requirements.

Aqua 2C Bichothane Satin Gloss Enamel can be applied on many substrates where a suitable primer coating is present. In many cases, Aqua 2C Bichothane can even be applied directly to various hard plastics (*).

For more information, please contact the technical department at BICCS BV in Almere.

Specifications

(for mixed product, colour white, at 20°C)

Finish	: satin gloss
Gloss level	: approx. 40-50%
Colour	: colours as per the BC-W Colour System
Viscosity	: viscous
Specific gravity	: 1.4 kg/l
Solids content	: 65% wt./ 51% vol.
VOC content	: approx. 70 g/l
Application:	
minimum temperature	: +10°C
max rel. humidity	: 70 %
(during application & drying)	
Theoretical coverage	
DFT 40µm	: 12.7 m ² / 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

20% by volume

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

See also "Additional Information".

Hardener:

Base Enamel : hardener

9 : 1 by weight

6 : 1 by volume

Mixing:

After adding hardener, the mixture must be intensively mechanically stirred for at least 3 minutes. Then thin down to the viscosity for application.

Pot life:

At 15° C. 4 hours

At 20° C. 3 hours

At 25° C. 2 hours

Note:

With Aqua 2C Bichothane Satin Gloss Enamel, the end of the pot life is NOT visible. Despite the fact that the product does not visibly thicken, the mixed product must emphatically be discarded as soon as the pot life has been exceeded.

The stated pot life is a maximum, and must be strictly observed!



Thinning:

Tapwater

Application method & viscosity:

	Air spray	Airless/Airmix:
Thinning:	0 - 5 %	0 - 5%
Nozzle:	1.5 - 1.8 mm	0.009" - 0.011"
Pressure:	3 - 4.5 ba	90 - 160 bar

Recommended film thickness

minimum 150 µm wet

Maximum 70 µm dry

Tool cleaning

Rinse immediately after application using water, followed by a rinse with Biqua cleaner. Then rinse thoroughly once more with clean tapwater.

Drying times

(at 20°C), RH 65 %, DFT 40µm)

Touch-dry 1 hour

Handleable 2 hours

Cured 7 days



Data at 20°C and 65% RH



Mixing instructions

<!/> Intensively mix the base and hardener for at least 3 minutes by mechanical means before use, without beating too much air into the mixture.

Then allow the product to stand for 10 minutes (induction time).

If a month or more passes before adding colour paste to the base, then the clear base product should first be gently stirred so that a good fluid mixture is created.

Drying times

The drying time of Aqua 2C Bichothane Satin 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.

Special considerations

Aqua 2C Bichothane **Spray Enamel** Satin Gloss can also be applied with a fine structure effect. This effect is obtained by varying the percentage of thinner (water), the air pressure and/or the nozzle size. For more information, please contact the technical department at BICCS BV in Almere.

The hardener should be stored in the original, sealed packaging immediately after use.

(* Warning/restricted applicability)

The diversity of specific material compositions brought onto the market to meet the varying demands placed on those materials makes it impossible to provide one single system recommendation for all possible situations. We therefore recommend that you perform trials whenever you are working with an unfamiliar substrate.

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.