



AQUA 1C BICHOLUX PRIMER RAL 1013



PRODUCT CODE: 5048

Description

Aqua 1C Bicholux Primer RAL1013 is a waterborne one component primer based on vinyl copolymer resins.

Aqua 1C Bicholux Primer is both lead and chromate-free.

Aqua 1C Bicholux Primer RAL1013 can be applied by means of air spray, airless and airmix application.

Features

Aqua 1K Bicholux Primer dries very quickly, is highly corrosion-inhibiting and is both lead and chromate-free.

Uses

As corrosion-inhibiting basecoat over steel and old paint layers (after sanding). Also suitable for metallized substrates and galvanized steel.

Universal and very versatile primer for e.g. metal structures, transportation machinery, agricultural machinery, automotive chassis and other machinery.

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)

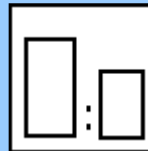
Finish	: matt
Gloss level	: n.a.
Colour	: RAL1013
Viscosity	: viscous
Specific gravity	: 1.3 kg/l
Solids content	: 57 % wt./ 44 % vol.
VOC content	: approx. 65 g/l
Application:	
minimum temperature	: +10°C
max rel. humidity	: 80 %
(during application & drying)	
Theoretical coverage	
DFT 40µm	: 10.8 m ² / l
Shelf life in	
closed packaging:	: 6 month

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.



Viscosity and thinning:

Depending on the temperature and application (conditions), the paint may be thinned if necessary using tapwater.



Air spray:

Nozzle: 1.5 – 2.0
Pressure: 3 to 4.5 bar
Viscosity: 60 – 80 sec. DIN cup 6

Airless:

Nozzle: 0.011" – 0.015"
Pressure: 150 – 200 bar
Viscosity: max. add 5% tapwater

Airmix:

Nozzle: 0.011" – 0.015"
Pressure: 120 to 160 bar
Viscosity: 60 – 80 sec. DIN cup 6



Recommended film thickness

90 - 200 µm wet
40 – 90 µm dry

Tool cleaning

Biqua Cleaner



Drying times

Touch-dry: 30 minutes
Handleable: 45 minutes
For overcoating: approx. 4 hours
Cured: 24 hours

* data based on colour RAL1013, measured at 20°C and 65% RH



Top coats

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 Primer RAL1013, and/or the adhesion of Aqua 1C Bicholux Primer RAL1013 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 Primer RAL1013 always depends 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

Version : 2.0
Date of publication : September 2008

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

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.