



BICHOTHANE 2K PU HB

semi matt

PRODUCT CODE: 3359

Description

BICHOTHANE 2K PU HB semi-matt is a fast-drying high-build enamel based on polyurethane resin with an isocyanate hardener.

Features

- elastic
- tough and highly scratch-resistant
- attractive appearance
- can be applied in thick layers
- long gloss- and colour retention
- highly chemical-resistant

Uses

For equipment, containers, steel structures, the chassis and heavy transport sector and other industrial applications where a high film thickness is required, coupled to aesthetic requirements for the finish.

Specifications

(tinted product at 20°C)

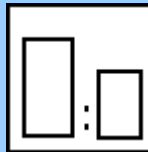
Finish	: semi matt
Gloss level (60°)	: approx. 35%
Colour	: using BICCS colour mixing system
Theoretical coverage	: 6.3 m ² /l at 70 µm dry film thickness
Specific gravity	: 1.16 g/ml
Solids content	: 58% wt. / 44% vol.
Flash point	: 21°C
Application conditions	: min. 5°C / 80% R.H.
VOC content	: 489 g/l
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 free of grease and rust.
First sand old and intact paint layers.



Mixing ratio base enamel : hardener
4 : 1 by volume¹

Hardener

Bichothane 2K PU Standard Hardener¹

Potlife
6 hours



Viscosity and thinning
BICCS Thinner 0102¹
Max. 10%.

Air spray

Nozzle 1.8 – 2.0, 3 to 4 bar
30 – 50 sec. DIN cup 4

Airless

Nozzle 0.011" - 0.013"
130 – 160 bar
40 – 60 sec. DIN cup 4



Spraying instructions

If necessary, multiple cross-coats.

Recommended film thickness

Min. 160 µm wet
Min. 70 µm dry.

Tool cleaning

Washing thinner or BICCS thinner 0102

Drying times

Touch-dry	approx. 1 hour
Tack free	approx. 2 hours
For re-spraying	after initial drying, but within max. 4 hours or after thorough curing
For sanding	after curing
Cured	after 4 days



¹ see additional information on page 2

Data at 20°C and 65% RH



Substrates

Old intact paint layers, clean, dry, free of grease, rust and contamination and adequately roughened if necessary. Bichothane 1K PU Filler Primer, Bicholux QD HB Body Primer or QD HB Zinc Phosphate Primer, 2K Bipox HB Midcoat, 2K Bipox HB Zinc Phosphate Primer, 2K Wash Primer and Corr-O-Cryl 2K Adhesive Primer

Additional Information

For almost all colours, the standard mixing ratio is 4 parts by volume to one of Bichothane Standard Hardener.

The colours clear, Ral 5002, Ral 5022 and Ral 9005, may be made up solely in combination with *Bichothane 2K PU Extra Hardener*.

Bichothane Standard Hardener may be replaced by Bichothane Extra Hardener when high demands apply for abrasion and chemical resistance, or when the colours stated above are being prepared. The addition of Bichothane Extra Hardener will influence the gloss level.

The solids content of Bichothane 2K PU Extra Hardener is higher than that of Bichothane Standard Hardener. This makes Extra Hardener very suitable for use in combination with high build coatings and effect finishes, and when Bichothane 2K PU HB is to be spattered. High film thickness can be achieved without the tendency to sag on vertical surfaces. Effect finishes attain great hardness with Bichothane 2K PU Extra Hardener.

For mixing ratios, see also the datasheet for Bichothane 2K PU Extra Hardener.

¹ Use of the different thinners:

BICCS Thinner 0102	: standard thinning
BICCS Thinner 0103	: slow thinning; retards the drying process
BICCS Thinner 0105	: fast thinning; accelerates the curing and drying process of the mixed coating.

For further information regarding the use, application and characteristics of the different thinners, see the Thinners chapter in this product manual.

Safety	:	See the appropriate safety sheet
Version	:	2.0
Date of publication	:	January 2005

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.



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.