



BICHOTHANE 1K-PU GL70E



PRODUCT CODE: 3253

Description

BICHOTHANE 1C-PU 3253 GL70E is a 1 component wear-resistant, durable industrial metal conservation enamel based on a high quality urethane-alkyd resin combination. The 'high build' characteristics enable a full layer to be applied in a single application pass.

BICHOTHANE 1C-PU 3253 GL70E is free of lead and aromatics, and has a high solids content and a low VOC content.

BICHOTHANE 1C-PU 3253 GL70E is especially suitable for conservation and corrosion-inhibiting of a wide range of metal structures in steel and galvanized steel in indoor and outdoor applications.

Features

- superior weather resistance/outdoor durability
- mechanically resistant (optional hardener dosing in event of intensive usage/impact pattern, both mechanical and chemical).
- fast drying
- applicable over old paint layers, including old Unideck (ECO) coats
- one-pass application of a full coat
- adjustable gloss level
- low VOC content, 313 g/l
- good filling
- suitable for spray, roller and brush application

Uses

For wide variety of construction and repair tasks, where long-lasting protection is required.

Specifications

(tinted product at 20°C)

Finish	: gloss (some variation possible per colour)
Gloss level (60°)	: approx. 60-70% (colour-dependent)
Colour	: virtually every colour available (lead-based and lead-free)
Theoretical coverage	: approx. 12.8 m ² /l at 40 µm approx. 8.5 m ² /l at 60 µm dry film thickness
Specific gravity	: 1.26 g/ml
Solids content	: 75% wt. / 60% vol.
Flash point	: 40°C
Application conditions	: min. 5°C / 80% R.H.
VOC content	: 313 gr/l.
Shelf life in can	: min. 1 year in original unbroken packaging (5 – 25°C)

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.

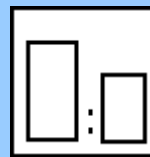
Mixing ratio:

See BICCS recipes for the addition of colour pastes.
Normal hiding power : 80/20 by volume (base/paste)
Increased hiding power: 70/30 by volume (base/paste)
See also "Additional Information".

Hardener:

For objects that have to withstand greater mechanical or chemical impact, a hardener may optionally be added.
Type : Bichothane 2C PU Brushing Enamel Hardener [3580]

Dosage: 8 – 12% by volume



Viscosity and thinning:

Turpentine, 0 to maximum 10%, depending on the method of application. and the application conditions



Air spray

Nozzle 1.2 – 1.5, 3 to 4 bar
Viscosity: 30 – 40 sec. DIN cup 4



Recommended film thickness

Min. 100 µm wet
Min. 51 µm dry

Tool cleaning

Washing thinner or BICCS thinner 0101



Drying times

Touch-dry : 60 minutes
Tack free : after 1.5 hours
Handleable : 4 hours
For overcoating :
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 products are available for this purpose. For a specific recommendation, please contact BICCS Almere.

Bichothane 1C-PU GL70E [3253] can in most cases be directly applied over intact existing paint layers after the correct surface preparation, including old Unideck CR (ECO) paint layers.

If there is any doubt as to the suitability of this product on a certain substrate, you should always paint a test area.

Additional Information

In situations requiring a higher mechanical or chemical resistance, a hardener may optionally be added (Bichothane 2C-PU Brushing Enamel Hardener [3580]). See "Hardener" on the first page.

Applicable additives:

- Bichothane 2C-PU Brushing Enamel Hardener [3580]
- Bicholux HB ("high build") Additive [1190]
- BICCS Matting Paste [9093]

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

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