

BONDEX BAMBOO CARE PROTECTIVE UV TREATMENT EXTERIOR



1. PRODUCT DESCRIPTION

1.1	Product code	10140DSC44X85
1.2	Product type	Colourless aqueous bamboo protection with UV blocker.
1.3	Manufacturer / Distributor	PPG Coatings Denmark A/S, Export Department, Gladsaxevej 300, DK-2860 Søborg, Denmark. Tel.: +45 39 57 93 00 - E-mail: export@ppg.com - Web: www.bondexwood.com
1.4	Where to use	Outdoors: on many bamboo items, e.g. fences, screens, etc. Especially suitable for new bamboo. Not suitable for horizontal surfaces, e.g. on patio and balcony floors, garden parquet, etc. Do not use on uncoated or coated surfaces already showing signs of discolouration caused by water-soluble substances contained in wood and plants.
1.5	Product effect	Colourless, physical bamboo protection (UV and weather protection). Decoratively highlights the natural structure of bamboo.
1.6	Form supplied	Ready to use.
1.7	Colour	Colourless IMPORTANT: Colourless coatings allow the background to show through. Therefore, they have varying effects on different surfaces. They enhance the characteristic colour of bamboo. Substances contained in wood and plants may obscure the colourless coat. Apply a test coat.
1.8	Can sizes	2.50 L

2. TECHNICAL DATA

2.1	Binding agents	Acrylate emulsion.
2.2	Solvents	Water
2.3	Density	1.03 g/ml.
2.4	Solid content	App. 35% W/W.
2.6	Odour	Weak. Odourless when dry.
2.7	Gloss level	Silky gloss, depending on the no. of coats.
2.8	Dilution	Use undiluted.
2.9	Coverage	App. 13 m ² /l. Apply max. 150 ml/m ² , when spray coating.
2.10	Drying time	<u>Touch-dry</u> : app. 1 hour. <u>Recoat</u> : app. 4 hours (23°C/60% relative humidity).

2.10	Drying time	The drying time is extended at low temperatures and/or high humidity. Substances contained in wood and plants may delay drying.
2.11	Weather resistance	Good. A coating may be less durable when used on old, uncoated and coated bamboo surfaces, and attacks from bacteria or fungal spores may occur, even if correctly pre-treated.
2.12	Light resistance	Contains UV blockers, which protect bamboo against greying.
2.13	Alkali resistance	Good.
2.14	Biiocidal effect	Film protection.
2.15	Active ingredients	<0.2% 3-iodo-2-propynyl-butylcarbamate
2.16	Storage	Store and transport frost free in tightly closed container.
2.17	Shelf life	Can be kept in unopened containers for app. 3 years. Close containers securely after use, and turn briefly upside down.

3. APPLICATION

3.1	Substrate	Appropriately pre-treated bamboo.
3.2	Substrate condition	The substrate must be dry, clean, and free from grease and wax. Remove dirt, algae, mould and loose paint or varnish. Sand heavily weathered surfaces down to healthy grain. Lightly sand coloured, intact coatings. Do not sand surfaces with steel wool. Risk of rust formation.
3.3	Moisture content	Components with dimensional stability: 13% +/- 2%. Components with no or limited dimensional stability: max. 18%
3.4	Application instruction	<p>Apply with brush, roller or spray</p> <p>Airless: Pressure: app. 80 bar - Nozzle size: app. 0.011 in. – 0.28 mm</p> <p>Aircoat: Pressure: app. 50 bar, air: app. 1.0 bar Nozzle size: app. 0.011 in. – 0.28 mm</p> <p>High pressure: Pressure: 2–3 bar Nozzle size: approx. 1.2 mm</p> <p>Fine coat: Pressure: approx. 0.35 bar Nozzle size: approx. 1.3 mm</p> <p>Stir well before use. Not suitable for application and drying at temperatures below +10°C and/or relative humidity of >80%. Water-soluble substances contained in wood and plants can sometimes discolour the facade of a building (dark or coloured streaks). They are washed out through end grains. Therefore, seal end grain (ends and cut surfaces) with additional coatings.</p> <p>Grains may rise after the first coating. A smooth surface is achieved with a light intermediate sanding. The coating film is interlinked with natural UV radiation (daylight) and thus the sufficient blocking resistance will be obtained within just a few days, depending on layer thickness and drying conditions.</p> <p>Due to these drying properties, Bondex Bamboo Care is only partially suitable for the coating finish of completed bamboo elements in the workshop.</p>

		<p>First time treatment: 3 x Bondex Bamboo Care Renovation: On intact, appropriately pre-treated surfaces: 2-3 x Bondex Bamboo Care.</p> <p>On intact, appropriately pre-treated surfaces: 2-3 x Bondex Bamboo Care On non-intact, old coatings, e.g. first coating: (see 3.2). Regularly inspect top-coated surfaces, repair minor damage immediately – this will increase the durability.</p> <p>Important:</p> <p>The durability of the Bondex Bamboo Care coating can be extended significantly if the you apply a maintenance coating at least once every 2 years.</p>
3.5	Cleaning of tools	Soap and water.

4. SAFETY PRECAUTIONS

4.1	In general	Common safety rules for work with paints and varnishes must be observed. Further information is available from our Material Safety Data Sheet.
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5. GOOD ADVICE

5.1	Good advice	Do not empty into drains or into the environment. Product waste must not be poured into the sewers, water reserves or soil. Do not store in rooms where food is prepared or stored. Only store in original container. Empty can may be recycled (check with your local waste disposal site or your local authorities).
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