

**BONDEX****TECHNICAL DATA SHEET****45380****1. Product Description**

- 1.1 Trade Name : **BONDEX Long Life Colourless Woodstain**
- 1.2 Quality No. : **45380**
- 1.3 Type : Waterborne, transparent wood finish, based on new acrylic technology.
- 1.4 Manufacturer : Dyrup A/S - Gladsaxevej 300 - 2860 Søborg - Denmark
- 1.5 Where to use : On all wooden substrates/species, in system with a primer. Not recommended for horizontal surfaces - e.g. terraces, bannisters etc.
- 1.6 Special Qualities : Protects the wood against UV-light. Film protects against fungi and algae. The water repellent nature of the film protects against rain/moisture, still enabling the wood to breathe. Therefore the topcoat is suitable for wooden constructions, where dimension stability is important.
- 1.7 Form Supplied : Ready to use.
- 1.8 Colour Range : Colourless - semi gloss.
- 1.9 Can Sizes : 0.75 - 2,50 L

**2. Composition**

- 2.1 Binder : Acrylic.
- 2.2 Pigments : No pigments.
- 2.3 Solvents : Water.
- 2.4 Active Ingredients : IPBC + Terbutrin.
- 2.5 Additives : Organic UV-absorbers.

**3. Technical Data**

- 3.1 Specific Gravity : Approx. 1-1.1 kg/l.
- 3.2 Viscosity : Non drip.
- 3.3 Solid Content : Above 30 V/V%.
- 3.4 Odour : Low
- 3.5 Gloss : Semi gloss. 40-50 at a 60° angle.
- 3.6 Dry film thickness : Minimum 70 microns dry film thickness (3 coats).
- 3.7 Coverage : 12-15 m<sup>2</sup>/l, depending on the substrate.
- 3.8 Drying Time : Dust dry: Approx. 1 hour. Recoatable: 4 hours. Through dry: Approx. 48 hours at 23°C and standard humidity (60%).

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- 3.9 Weather Resistance : Very good.
- 3.10 UV-Resistance : Very good.
- 3.11 Boicidal Effect : Film protects against mould and algae.
- 3.12 Durability : 2-5 years may be expected, depending on construction and climatic conditions. Durability depends on following the application-, maintenance- and renovation instructions.
- 3.13 Storage : 3 years in unopened containers. Store in a frost-free and dry place.

**4. Substrate & Preparation**

- 4.1 In General : Use primarily on fresh and non weathered pine and spruce. May also be used on other wood species such as new and non-weathered larch, teak, mahogany, cedar and oak.
- 4.2 Treatment : One coat of BONDEX Long Life Wood Preservative and 3 coats of BONDEX Long Life Colourless Woodstain to obtain a minimum dry film thickness of 70 microns.
- 4.3 Application : By brush.  
*Pine, spruce and larch* : 1 x BONDEX Long Life Wood Preservative + 3 x BONDEX Long Life Colourless Woodstain. *Teak, mahogany, cedar and oak* : 3 x BONDEX Long Life Colourless Woodstain. Do not use at temperatures below 5°C or above 80% relative humidity.
- 4.4 Thinning : Do not thin.
- 4.5 Cleaning of Tools : Soap and water.

**5. Maintenance And Renovation**

- 4.1 General Recommendations : In order to get the full benefit of the colourless topcoat, it is important that our recommendations for maintenance and renovation are followed. Since the BONDEX Long Life Colourless Woodstain does not contain any pigments, it is important to observe that it will not hide any existing or future visible damage or discoloration. The colourless systems will slow down the process of the natural yellowing of the wood, but some change in the colour of the wood may occur over time.
- 4.2 Maintenance : The treated wood must be inspected at least once a year. All damages must be renovated immediately up to full system. In general the surface should be kept clean. Every 2<sup>nd</sup> year we recommend (after repair of damages) that you apply one coat of BONDEX Long Life Colourless Woodstain in order to prolong the durability and prevent future damage.

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- 4.3 Renovation : Smaller Areas : The damaged area must be sanded down to fresh wood. Renovate with the system of 1 coat of primer + 3 coats of BONDEX Long Life Colourless Woodstain (minimum dry film thickness of 70 microns). Larger Areas: The same procedure as for the smaller areas, but in general we recommend a total renovation.
- 4.4 Total Renovation : If total renovation is required, we do not recommend that the colourless system be used again. In stead a coloured transparent woodstain or opaque woodstain should be applied.
- 4.5 Cleaning of Tools : Soap and water.

## 5. Safety Precautions

- 5.1 In General : Common safety rules for work with woodstains/woodfinish and paints must be observed. Further information is available from our Material Safety Data Sheet.

## 6. Good Advice from Dyrup

Other Wood Species : On some tropical wood species, certain wood extractives can prolong the drying time. Therefore, test the drying time on a small area and/or wash with cellulose thinner before treatment.

***This Technical Data Sheet is assigned to describe the applicability of BONDEX Long Life Colourless Woodstain in a serious and non-binding way. The technical indications are based on years of research, but the consumer is hereby not dissuaded to test the purpose of BONDEX Long Life Colourless Woodstain before use. If any doubts, please apply to our agents or technical departments. This Technical Data Sheet replaces all former editions.***