

# DUROLAC AQUA



## Decorative and protective waterborne wood varnish



### ■ PROPERTIES

Water soluble acrylic and polyurethane resin based, odorless varnish. Suitable for clear finish applications on wood surfaces, for interior and exterior surfaces. It is highly flexible, and easy to apply. Resistant to moisture, and its advanced technology UV filters contained in its formula, effectively protect the wood from ultraviolet rays of the sun. It is flexible thus it does not crack, nor does it peel off. It offers great scratch resistance and allows for the breathability of wood. It enhances and protects the natural beauty of all types of wood, by highlighting its grain. It yields a clear finish that is durable and water repellent.

### ■ APPLICATIONS

DUROLAC AQUA applies on every type of woodwork that require protection from impacts and stains but also from moisture and intense sunlight exposure. Apply it on doors, windows, frames, casings, pergolas, wood sheds, over-hangs, roofing beams, balcony and terrace railings, furniture, ornaments etc. Ideal for interior use, in poorly ventilated spaces, because it is completely odorless.

### ■ USE

#### 1. Surface preparation

Proper preparation ensures excellent results on both new and existing wood surfaces. It is necessary that both ambient humidity and wood moisture are as low as possible.

**New wood surfaces:** Before applying DUROLAC AQUA, all surfaces have to be sanded with the appropriate sandpaper (when needed). Completely remove all the dust. If necessary, fill any holes using DUROWOOD wood putty of DUROSTICK. To maintain the natural wood color and protect it from wood-boring insects, fungi, mold, blue stain and rot, simply apply one coat of DUROXYL Aqua TOTAL WOOD PROTECTION, the impregnating clear wood preservative of DUROSTICK. Also use the product as primer (when changing wood color), to ensure evenness of the wood absorbency and the color uniformity when the subsequent use of DUROXYL AQUA, the impregnating color wood stain that is available in 11 colors, follows. Complete the application by coating with 1-2 coats DUROLAC AQUA varnish, in satin or gloss finish.

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**Existing wood surfaces (\*):** If performing simple maintenance, lightly sand the wood and remove the dust completely. Existing varnishes and enamels in poor condition (deteriorated and/or peeling), have to be completely removed with coarse and fine sandpaper or use the corrosive stripper D-26 of DUROSTICK. Complete the project following the same procedure as described at the 'New wood surfaces' paragraph.

(\* ) If the wood is soiled with oils, salts etc. it is recommended to clean it, before the application, using DUROSTICK WOOD CLEANER. Rinse thoroughly with plenty of water and let it dry.

### 2. Application

Dilute DUROLAC AQUA up to 5% with clean water. Apply with roller, brush or airless spray gun in 1-2 coats, depending on the application and wood condition. It requires to be mixed thoroughly, especially the varnish with the satin finish.

### ■ CLEANING

Clean all tools with plenty of water, and continue with the use of a mild detergent, immediately after use.

### ■ COVERAGE

Approximately 7-12m<sup>2</sup>/lt per coat, depending on the texture, the absorbency of the surface and the application method.

### ■ STORAGE

Store in closed containers under normal storage conditions, for 18 months from production date.

### ■ SAFETY DIRECTIONS

The product needs no hazard labeling under current European and National legislation. However, it is recommended to keep away from the reach of -children. If swallowed, seek immediate medical advice and show the container or label.

### ■ PACKAGING

Carton box with 12pcs of 750ml each one  
Carton box with 4pcs of 2.5lt each one

## TECHNICAL SPECIFICATIONS

|                                  |   |
|----------------------------------|---|
| ■ <b>Form - Color</b>            | Liquid - White, becomes transparent when dry  |
| ■ <b>Resin</b>                   | Acrylic Polyurethane Dispersions  |
| ■ <b>Density</b>                 | 1,00±0,05kg/lt  |
| ■ <b>Solids by weight</b>        | 25-28% w/w  |
| ■ <b>Solids by volume</b>        | 23-26% w/v  |
| ■ <b>pH</b>                      | 8.0±0.5   |
| ■ <b>Gloss</b>                   | Satin, Gloss  |
| ■ <b>Application temperature</b> | From +5°C to +35°C  |
| ■ <b>Dilution</b>                | Up to 5% with clean water   |
| ■ <b>Drying time</b>             | Approximately 1 hour (touch dry), depending on the ambient conditions (humidity, temperature) |
| ■ <b>Recoating time</b>          | After 4 hours, depending on the ambient conditions (humidity, temperature)                    |

### V.O.C. (Volatile Organic Compounds):

Limit value of maximum V.O.C. content per EU (Directive 2004/42/CE) for the particular product (Class A/e: 'Interior/exterior trim varnishes and woodstains', including opaque woodstains' Type WB): 130gr/lt (2010). The ready to use product contains maximum 95gr/lt V.O.C.

### DUROSTICK S.A.,

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The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.