

## 6.6 Wood protection - stone varnishes & decorative coatings

### DUROLAC AQUA Decorative and protective waterborne wood varnish



#### TECHNICAL SPECIFICATIONS

Form - Color	Liquid - White, becomes transparent when dry
Resin	Polyurethane/Acrylic Hybrid Dispersions
Density	1.00 ± 0.05 kg/lt
Solids by weight	25-28% w/w
Solids by volume	23-26% w/v
pH	8.0 ± 0.5
Gloss	Satin, Gloss
Application temperature	From +5 °C to +35 °C
Dilution	Up to 5% with clean, cool water
Drying time	Approximately 1 hour (touch dry), depending on the ambient conditions (humidity, temperature)
Recoating time	After 4 hours, depending on the ambient conditions (humidity, temperature)

#### Friendly to human and the environment

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

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

#### CONSUMPTION

1lt/7-12m<sup>2</sup> per coat, on properly prepared surfaces.

#### STORAGE

Store in closed containers under normal storage conditions, for at least 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 12 pcs of 750ml each one  
Carton box with 4 pcs of 2.5lt each one

#### PROPERTIES

Water soluble acrylic and polyurethane resin based, odorless varnish. Suitable for clear finish applications on wood surfaces, both indoors and out. It is highly flexible, easy to apply, and spreads evenly without brush or roller marks. It is 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 kind of woodwork that require protection from impacts and stains. It will also protect wood from moisture and intense sunlight exposure. Use wherever permanent protection of wood surfaces is required. Apply it on doors and windows, frames and casings, as well as fences and pergolas. Apply it also on wood sheds and overhangs, roofing beams, balcony and terrace railings, furniture, ornaments etc.. Ideal for use indoors, in poorly ventilated spaces, because it is completely odorless.

#### USE

##### 1. Surface preparation

Correct 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 to avoid problems.

**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 fungi, mold, blue stain and rot, simply apply one coat of DUROXYL AQUA Wood Protection / Conditioner, the impregnating clear wood preservative of DUROSTICK. Also use the product as primer (when changing wood color), to ensure homogeneity 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.

**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. Use coarse and fine sandpaper or use D-26, the corrosive stripper of DUROSTICK. Complete the project following the same procedure as described at the 'New wood' paragraph.

##### 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 water, and continue with the use of a mild detergent, immediately after use.

