

# MARINER



## Solvent-based marine grade varnish with gloss finish



### ■ PROPERTIES

Clear varnish specially formulated to protect wood surfaces directly exposed to sea water and salt. Its high content of modified polyurethane resins and powerful UV filters, ensure long lasting durability to ultraviolet solar radiation. Highlights and protects the natural beauty of all wood types and enhances their grain. Its application yields gloss, clear, flexible and exceptionally water repelling surfaces.

### ■ APPLICATIONS

Proper preparation ensures the best result in both new and old wood. A necessary condition is the moisture of the woods and the humidity in the atmosphere to be at the lowest possible levels.

### ■ USE

#### 1. Surface preparation

Proper preparation ensures the best result in both new and old wood. A necessary condition is the moisture of the woods and the humidity in the atmosphere to be at the lowest possible levels.

**New wood surfaces:** Before applying MARINER, the surfaces should be sanded with the appropriate sandpaper and all the dust should be removed thoroughly, while if there is resin, remove it with THINNER 101 by DUROSTICK. If necessary, fill any holes using DUROWOOD wood putty of DUROSTICK. To preserve the natural color of the wood and protect against fungi, woodworm, blue stain and rot, apply a coat of DUROXYL Wood Protection / Conditioner, the solvent-based clear impregnating wood preservative of DUROSTICK. Also use the product as primer when changing wood color before the use of DUROXYL, the impregnating color wood stain, that is available in 11 colors. Follow by applying 1-2 coats of MARINER.

**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 remover D-26 of DUROSTICK. Complete the project following the same

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procedure as described at the 'New wood surfaces' paragraph.

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

### 2. Application

Dilute MARINER with THINNER 101 of DUROSTICK or white spirit at a ratio of up to 5%. Apply with roller, brush or airless spray gun in 1-2 coats, depending on the application.

#### ■ CLEANING

Clean all tools with THINNER 101 of DUROSTICK, immediately after use.

#### ■ COVERAGE

Approximately 10-12m<sup>2</sup>/lt per coat, depending on the texture, the absorbency of the surface and the application method.

#### ■ STORAGE

Store in shaded places away from any heat source, for 24 months from production date.

#### ■ SAFETY DIRECTIONS

The product is classified as harmful and flammable. However, it is recommended to keep away from the reach of children and apply it in well ventilated areas. Before use, refer to the cautions on the product packaging or the Safety Data Sheet.

#### ■ PACKAGING

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

TECHNICAL SPECIFICATIONS	
■ Form - Color	Liquid - Transparent
■ Density	0.90±0.05kg/lt
■ Solids by weight	52±1% w/w
■ Solids by volume	43±1% w/v
■ Gloss	Gloss
■ Application temperature	From +10°C to +35°C
■ Drying time	4-6 hours (touch dry), depending on the ambient conditions (humidity, temperature)
■ Recoating time	After 8-10 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 SB): 400gr/lt (2010).  
The ready to use product contains maximum 399gr/lt V.O.C.

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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.