



## HEMPEL'S MARINE VARNISH 02220

**Description:** HEMPEL'S MARINE VARNISH 02220 is a quick-drying clear urethane alkyd varnish.  
**Recommended use:** On new wood as well as over previously varnished wood, interior and exterior, above the waterline.  
**Availability:** Part of Group Assortment. Local availability subject to confirmation.

### PHYSICAL CONSTANTS:

Shade nos/Colours: 00000 / Transparent  
Finish: Glossy  
Volume solids, %: 46 ± 1  
Theoretical spreading rate: 18.4 m<sup>2</sup>/l [737.8 sq.ft./US gallon] - 25 micron/1 mils  
Flash point: 38 °C [100.4 °F]  
Specific gravity: 0.9 kg/litre [7.6 lbs/US gallon]  
Dry to touch: 2 - 3 hour(s) 20°C/68°F  
VOC content: 434 g/l [3.6 lbs/US gallon]

*The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.*

### APPLICATION DETAILS:

**Application method:** Best results will be obtained with a flat varnish brush. Spray application is possible with most types of spray equipment after thinning, but this application method is mainly subject to specific local conditions, so no general guidelines can be given.  
**Cleaning of tools:** HEMPEL'S THINNER 08230  
**Indicated film thickness, dry:** 25 micron [1 mils]  
**Indicated film thickness, wet:** 50 micron [2 mils]  
**Overcoat interval, min:** According to specification.  
**Overcoat interval, max:** According to specification.  
**Safety:** Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Safety Data Sheets and follow all local or national safety regulations.

### SURFACE PREPARATION:

**New wood:** Saturate the dry surface with a commercial antimould fluid, preferably made from fungicide dissolved in white spirit. Apply one coat HEMPEL'S MARINE VARNISH 02220 thinned with 20% THINNER 08230. Apply a second coat HEMPEL'S MARINE VARNISH 02220 thinned 5-10%. Finally apply 3-5 coats HEMPEL'S MARINE VARNISH 02220 undiluted. For the best result rub with dry or wet fine sandpaper and dust off between coats for a smooth finish.  
**Previously varnished wood:** Wash surface with suitable cleaning agent. Do not use detergents unless they are removed completely, as otherwise residues can spoil the drying properties and give adhesion problems. Proceed as for new wood. In some cases the antimould treatment and the first thinned coats can be omitted.  
**Note:** Ammonia water may discolour oak, mahogany and teak.

### APPLICATION CONDITIONS:

Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Use only where application and curing can proceed at temperatures above: 5°C/41°F. The moisture content in the wood should not exceed: 16%. In confined spaces provide adequate ventilation during application and drying.

### SUBSEQUENT COAT:

None.

### REMARKS:

Note: **HEMPEL'S MARINE VARNISH 02220 For professional use only.**  
ISSUED BY: HEMPEL A/S

022200000

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on [www.hempel.com](http://www.hempel.com). Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

The Products are supplied and all technical assistance is given subject to HEMPEL's GENERAL CONDITIONS OF SALES, DELIVERY AND SERVICE, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise. Product data are subject to change without notice and become void five years from the date of issue.