

**Description:** HEMPEL'S DURA-SATIN VARNISH 02040 is a quick-drying, silk gloss urethane alkyd varnish. Resistant to wear and abrasion within hours of application. Good resistance to seawater, sunlight and adverse weather conditions.

**Recommended use:** For use on new wood as well as on previously varnished wood, interior and exterior, above the waterline.

**Availability:** Part of European Yacht assortment. Local availability subject to confirmation.

### PHYSICAL CONSTANTS:

Shade nos/Colours: 00000/ Transparent  
Finish: Silk gloss  
Volume solids, %: 42 ± 1  
Theoretical spreading rate: 16.8 m<sup>2</sup>/l [673.7 sq.ft./US gallon] - 25 micron/1 mils  
Flash point: 38 °C [100.4 °F]  
Specific gravity: 0.9 kg/litre [7.7 lbs/US gallon]  
Dry to touch: 3 hour(s) 20°C/68°F  
6 hour(s) 10°C/50°F  
Dry to sand: 24 hour(s) 20°C/68°F  
48 hour(s) 10°C/50°F  
VOC content: 442 g/l [3.7 lbs/US gallon]  
Shelf life: 5 years 25°C/77°F

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

### APPLICATION DETAILS:

Application method: Brush/Paint pad  
Thinner (max.vol.): HEMPEL'S THINNER 811 (No 1) 08111 (Brush/Paint pad): max. 20%.  
Cleaning of tools: HEMPEL'S THINNER 811 (No 1) 08111  
Indicated film thickness, dry: 25 micron [1 mils]  
Indicated film thickness, wet: 50 micron [2 mils]  
Overcoat interval, min: 4 hour(s) 20°C/68°F  
8 hour(s) 10°C/50°F  
Overcoat interval, max: 2 day(s) 20°C/68°F  
4 day(s) 10°C/50°F

**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:	<p><b>Preparation:</b> Always ensure all surfaces are clean, oil free and dry. Clean the surface and remove possible oil and grease with a suitable detergent and sand with dry abrasive paper. Carefully remove dust with fresh water.</p> <p><b>New wood:</b> Sand and remove all dust. Saturate the dry, clean surface with suitable wood treatment, allow to dry. <b>Plywood:</b> Sand and remove all dust. Seal the dry clean surface with suitable wood sealer. <b>Teak:</b> Degrease the surface thoroughly with a suitable degreaser. <b>Previously damaged varnished wood:</b> Wood treatment may be necessary. <b>Previously varnished wood:</b> Abrade, clean and dry the surface.</p>
PRODUCT APPLICATION:	<p><b>Method:</b> Apply first coat of the product thinned with specified HEMPEL'S THINNER: max. 20%. Apply a second coat of the product thinned: max. 10%. Finally apply 3 coats of the product. Add thinner to assist application if necessary. To obtain a smooth surface, sanding between coats is recommended (remove dust). It is also recommended that DURA-GLOSS VARNISH replace DURA-SATIN VARNISH as the first and second diluted coats to improve sealer performance.</p> <p><b>Previously varnished wood:</b> Apply 3 coats of the product.</p>
APPLICATION CONDITIONS :	<p>The surface must be completely clean and dry at the time of application and its temperature must be above the dew point to avoid condensation. The moisture content in the wood should not exceed: 16%. Do not apply in direct sunlight. In confined spaces provide adequate ventilation during application and drying. Varnishing should be finished: 3-4 hours 20°C/68°F, 6-8 hours 10°C/50°F, at the latest before dewfall.</p>
RECOMMENDED DETERGENT :	HEMPEL'S PRE-CLEAN 67602
PRECEDING COAT:	HEMPEL'S WOOD IMPREG 02362 (for new wood) HEMPEL'S SEALER 05991 (for plywood)
SUBSEQUENT COAT:	None.
REMARKS:	<p>The product can be sprayable. Contact HEMPEL for more information.</p> <p>Ammonia water may discolour oak, mahogany and teak.</p>
Stirring:	Stir product well before use..
Film thicknesses/thinning:	May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and overcoating interval. Keep thinning to a minimum to ensure that correct film thickness is obtained. The amount of thinner depends on the application conditions: temperature, ventilation and substrate.
Storage Conditions:	Exposure to air and temperature variances should be avoided. Avoid direct sunlight. Keep containers tightly sealed. Store at temperatures: 5°C/41°F - 35°C/95°F.
Overcoating:	<p>If the maximum overcoating interval is exceeded, clean with fresh water and allow to dry. Light abrade and remove all dust prior to repainting.</p> <p>If surface has been contaminated by oils and pollutants, thoroughly remove with suitable detergent, rinse with fresh water and allow to dry. Light abrade and remove all dust prior to repainting.</p>
Note:	<b>HEMPEL'S DURA-SATIN VARNISH 02040</b>
ISSUED BY:	HEMPEL A/S <span style="float: right;">0204000000</span>

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.

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