

**Description:** **Hempel's Mille Professional 7110P** is a self-polishing antifouling based on cuprous oxide. Due to its self-renewing effect this product maintains an effective bioactive surface during its entire service life. This mechanism also acts when the boat is idle.

**Recommended use:** As an antifouling for glass fibre, wood, plywood, steel and ferro-cement boats. Do not use on aluminium or other light-alloy metals, risk of corrosion in case of direct contact.

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

### PHYSICAL CONSTANTS:

Shade nos/Colours: 30390\*/ Blue.  
Finish: Semi-flat  
Volume solids, %: 52 ± 1  
Theoretical spreading rate: 13 m<sup>2</sup>/l [521.3 sq.ft./US gallon] - 40 micron/1.6 mils  
Flash point: 35 °C [95 °F]  
Specific gravity: 1.7 kg/litre [14.1 lbs/US gallon]  
Dry to touch: 4 approx. hour(s) 20°C/68°F  
8 (approx.) hrs at 10°C/50°F  
VOC content: 418 g/l [3.5 lbs/US gallon]  
Shelf life: 5 years (from time of production.)

*\*other shades according to assortment list.*

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

### APPLICATION DETAILS:

Application method: Airless spray / Air spray      Brush/Roller  
Thinner (max.vol.): 08080 (5%) / 08080 (15%)      08080 (5%)  
Nozzle orifice: 0.018 - 0.023 "  
Nozzle pressure: 150 bar [2175 psi]  
(Airless spray data are indicative and subject to adjustment)  
Cleaning of tools: HEMPEL'S THINNER 08080  
Indicated film thickness, dry: 40 micron [1.6 mils]  
Indicated film thickness, wet: 75 micron [3 mils]  
Overcoat interval, min: 4 hour(s) 20°C  
8 hours 10°C  
Overcoat interval, max: None

**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> 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>Uncoated surface:</b> Prime with: HEMPEL'S LIGHT PRIMER 45550 followed by one coat of HEMPEL'S UNDERWATER PRIMER 26030* (*The subsequent one-component primer should be applied while the surface is still tacky.)</p> <p><b>Existing old self-polishing or traditional antifouling:</b> Remove loose matter and contaminants by high pressure, fresh water cleaning. Allow to dry.</p> <p><b>Existing old hard matrix antifouling or an unknown antifouling:</b> High pressure fresh water clean, wet abrade, remove dust. Clean and dry the surface. If condition of previous antifouling is poor, seal with 1 coat of HEMPEL'S UNDERWATER PRIMER 26030.</p> <p>If previous antifouling is in general bad condition, it is recommended to remove previous coats and prime before applying antifouling.</p>
PRODUCT APPLICATION:	<p><b>Recommended number of coats:</b></p> <p>Airless spray: Apply 1 coat of the product. (approximately 100 micron dry film thickness).</p> <p>Air spray / Brush or roller: Apply 2 coats of the product at 40 micron dry film thickness each. Apply an additional coat around the waterline and high wear areas.</p> <p>Add thinner to assist application if necessary.</p> <p>Wear protective gloves/clothing and eye/face protection.</p> <p>If the vessel is regularly used at speeds above 20 knots, it is recommended to apply 3 coats of antifouling.</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. Do not apply in direct sunlight. In confined spaces provide adequate ventilation during application and drying.</p>
PRECEDING COAT:	HEMPEL'S LIGHT PRIMER 45550, HEMPEL'S UNDERWATER PRIMER 26030
SUBSEQUENT COAT:	None.
REMARKS:	
Colours/Colour stability:	<p>Final colour develops after 1 week immersion in water. Length of service may have a certain influence on colour. There might be a slight difference in colour from batch to batch. Mix before painting.</p>
Stirring:	<p>This product contains heavy particles. Stir well before use.</p>
Film thicknesses/thinning:	<p>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.</p>
Storage Conditions:	<p>Exposure to air and temperature variances should be avoided. Avoid direct sunlight. Keep containers tightly sealed. Storage temperature: 5°C/41°F - 35°C/95°F.</p>
Launching:	<p>Minimum: 24 hours 20°C/68°F ; Maximum: 3 months</p>
Overcoating:	<p>No maximum overcoat interval, but after prolonged exposure to polluted atmosphere, remove accumulated contamination by high pressure fresh water cleaning and allow to dry before applying next coat.</p>
Note:	<p><b>Hempel's Mille Professional 7110P</b> <b>For professional use only.</b></p>
ISSUED BY:	HEMPEL A/S

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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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