

7110E: BASE 7110S: OCEAN ACTIVE 71210

Description: HEMPEL'S OCEAN PERFORMER 7110E is a two component, high performance, self-polishing antifouling providing exceptional protection all season.

Recommended use: As an antifouling for boats of glass fibre, wood, plywood and steel. Do not use on aluminium or other light-alloy metals. Risk of corrosion in case of direct contact. For cold and temperate waters.

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

PHYSICAL CONSTANTS:

Shade nos/Colours: 10160*/ Grey.
Volume solids, %: 51 ± 1
Theoretical spreading rate: 12.8 m²/l [513.3 sq.ft./US gallon] - 40 micron/1.6 mils
Flash point: 35 °C [95 °F]
Specific gravity: 1.7 kg/litre [13.8 lbs/US gallon]
Dry to touch: 4 approx. hour(s) 20°C/68°F
8 (approx.) hrs at 10°C/50°F
VOC content: 427 g/l [3.5 lbs/US gallon]
Shelf life: 5 years 25°C/77°F

**other shades according to assortment list.*

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

APPLICATION DETAILS:

Version, mixed product: **7110E**

Mixing ratio: BASE 7110S: OCEAN ACTIVE 71210
3:1 by volume

Application method: Brush/Roller/Paint pad
Spray: For professional use only.

Thinner (max.vol.): HEMPEL'S THINNER 808 (No 3) 08081 (Brush/Roller/Paint pad): max. 5% ; (Spray): 5-15%

Pot life: 24 hour(s) , 20°C/68°F
48 hour(s) , 10°C/50°F

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 808 (No 3) 08081

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/68°F
8 hour(s) 10°C/50°F

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>Preparation: 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.</p> <p>Uncoated surface: Prime prepared surface with HEMPEL'S LIGHT PRIMER 45551 and apply a tiecoat of HEMPEL'S UNDERWATER PRIMER 26030 whilst the surface is still tacky. Existing old self-polishing or traditional antifouling: Remove loose matter and contaminants by high pressure fresh water cleaning. Allow to dry. Existing old hard matrix antifouling or an unknown antifouling: 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>Method: Apply 2 coats of the Antifouling paint at 40 µm/1.6 mils dry film thickness each. Apply an additional coat around the waterline and high wear areas. Add thinner to assist application if necessary. Stir product well before use. Wear protective clothing and 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 :	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.
RECOMMENDED DETERGENT :	HEMPEL'S PRE-CLEAN 67602
PRECEDING COAT:	HEMPEL'S LIGHT PRIMER 45551, HEMPEL'S UNDERWATER PRIMER 26030
SUBSEQUENT COAT:	None.
REMARKS:	
Colours/Colour stability:	Final colour develops after 1 week immersion in water. Length of service may have a certain influence on colour. The antifouling may obtain a copper-green tinge. There might be a slight difference in colour from batch to batch. Mix before painting.
Stirring:	This product contains heavy particles. Stir well before use.
Film thicknesses/thinning:	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. Storage temperature: 5°C/41°F - 35°C/95°F.
Launching:	Minimum: 24 hour(s) 20°C/68°F ; Maximum: 9 months
Overcoating:	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. If overcoating after prolonged exposure to polluted atmosphere, wash with fresh water and allow to dry before painting.
Note:	HEMPEL'S OCEAN PERFORMER 7110E
ISSUED BY:	HEMPEL A/S 7110E10160

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on 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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