



HEMPEL'S ANTIFOULING OCEANIC 8490K

Description:	HEMPEL'S ANTIFOULING OCEANIC 8490K is a high solids, tin-free, self-smoothing and self-polishing antifouling. Polishing is based on an ion exchange, resulting in a hydrolysable activated layer. An inorganic fibre reinforcement of the resin matrix ensures effective polishing control and mechanical strength. A powerful bioactive mixture and its self-renewing effect makes it suitable for protection on deep-sea vessels. The system provides a certain control of roughness. This product does not contain organotin compounds acting as biocides and complies with the International Convention on the Control of Harmful Antifouling Systems on Ships as adopted by IMO October 2001 (IMO document AFS/CONF/26).
Recommended use:	As a cost effective antifouling for bottom and boottop on vessels operating in coastal trade at low to medium speeds and low to medium activity and with dry-docking interval of up to 60 months. Aluminium hulls: see Remark overleaf.
Availability:	Part of Group Assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	51110* / Red see REMARKS overleaf.
Finish:	Flat
Volume solids, %:	52 ± 1
Theoretical spreading rate:	5.2 m ² /l [208.5 sq.ft./US gallon] - 100 micron/4 mils
Flash point:	28 °C [82.4 °F]
Specific gravity:	1.6 kg/litre [13.3 lbs/US gallon]
Dry to touch:	4 - 5 hour(s) 20°C/68°F
VOC content:	433 g/l [3.6 lbs/US gallon] <i>*other shades according to assortment list.</i>
	<i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>
APPLICATION DETAILS:	
Application method:	Airless spray see REMARKS overleaf.
Thinner (max.vol.):	08080 (5%)
Nozzle orifice:	0.027 - 0.031 "
Nozzle pressure:	270 bar [3915 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 08080
Indicated film thickness, dry:	100 micron [4 mils] see REMARKS overleaf.
Indicated film thickness, wet:	200 micron [8 mils]
Recoat interval, min:	According to specification.
Recoat 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.



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SURFACE PREPARATION:	According to specification. Existing old self-polishing or abrasive antifouling: Remove possible oil and grease etc. with suitable detergent, followed by high pressure fresh water cleaning for a thorough removal of any possible weak structure of leached antifouling. Sealer: Whether to use a sealer coat/tiecoat or not depends on the type and condition of the existing antifouling.
APPLICATION CONDITIONS:	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.
PRECEDING COAT	According to specification. Recommended systems are: HEMPATEX HI-BUILD 46330, HEMPADUR 45182
SUBSEQUENT COAT:	None, or as per specification.
REMARKS:	This product contains heavy particles. Stir well before use. By providing a constantly active surface during its lifetime, this antifouling is gradually sacrificed in the process.
Colours/Colour stability:	The initial colour may vary within the same shade. The final colour will appear after exposure to saltwater. This has no influence on the antifouling performance. Brown 60700 will change to greyish in direct contact with seawater.
Redocking:	At redocking, HEMPEL'S ANTIFOULING PAINT can be recoated after thorough cleaning and removal of any poorly adhering surface layer or leached layer on the antifouling. Reference is made to SURFACE PREPARATION above. If recoated with other types of antifouling, other surface preparation methods may be required - contact HEMPEL.
Aluminium hulls:	May be specified on aluminium hulls provided an efficient anticorrosive system in minimum 2 coats of 150 micron/6 mils each has been applied. The anticorrosive system must stay intact during service in order to avoid corrosion of the aluminium caused by the cuprous oxide content of the Paint.
Application equipment:	Standard airless heavy-duty spray equipment: Pump ratio: min 45:1 (see Note below) Pump output: min 12 litres/minute (theoretical) Spray hoses: max 15 metres/50 feet, 3/8" internal diameter; max 3 metres/10 feet, 1/4" internal diameter Note: If longer spray hoses are necessary, up to 50 metres/150 feet hose (1/2" internal diameter) can be added. The pump ratio must be raised to 60:1 or more, however, the high output capacity of the pump must be maintained. A reversible nozzle is recommended. Filter: Surge tank filter and tip filter should be removed.
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 recoating interval. Normal range dry is: 80-150 micron/3.2-6 mils
Undocking:	Minimum undocking time depends on number of coats applied, film thickness, the prevailing temperature and the subsequent exposure/service conditions. For further information, please consult the corresponding painting specification. Maximum undocking time depends on the atmospheric conditions (UV radiation, temperature, degree of atmospheric pollution, etc.). Exposure to the atmosphere in up to 6 months normally presents no problems but extraordinary contamination may call for a freshwater high pressure hosing - contact Hempel.
Recoating note:	As per specification depending on existing hull condition, trading pattern, and intended service life. No maximum recoat 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.
Note:	HEMPEL'S ANTIFOULING OCEANIC 8490K
ISSUED BY:	HEMPEL A/S 8490K51110

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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