



## HEMPEL'S ANTIFOULING GLOBIC 610 81960

### Description:

HEMPEL'S ANTIFOULING GLOBIC 610-81960 is a 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 binder 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.

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 tin-free selfpolishing antifouling for maintenance of bottom and boottop on deep-sea going vessels operating at medium to high speed and high activity with short idle periods.

Dry-docking interval of up to 60 months.

Aluminium hulls: see REMARKS overleaf

### Availability:

Part of Group Assortment. Local availability subject to confirmation.

### PHYSICAL CONSTANTS:

Shade nos/Colours:	51110* / Red.
Finish:	Flat
Volume solids, %:	53 ± 1
Theoretical spreading rate:	5.3 m <sup>2</sup> /l [212.5 sq.ft./US gallon] - 100 micron/4 mils
Flash point:	28 °C [82.4 °F]
Specific gravity:	1.6 kg/litre [13.5 lbs/US gallon]
Dry to touch:	4 - 5 hour(s) 20°C/68°F
VOC content:	425 g/l [3.5 lbs/US gallon]

*\*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 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, 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:	<b>Existing old self-polishing or ablative antifouling:</b> 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. <b>Sealer:</b> 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 or HEMPADUR 45182 .
SUBSEQUENT COAT:	None.
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 ANTIFOULING's are never tinted and as the high load of cuprous oxide influences the shade a certain variation from batch to batch is allowable. Exposure to humid weather shortly after application is likely to cause discolouration. This is a surface phenomenon only and has no influence on performance nor recoatability.
Aluminium hulls:	<b>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.</b>
Application(s)	<b>Recommended number of coats:</b> 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.
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 <b>Note:</b> 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. <b>A reversible nozzle</b> is recommended. <b>Filter:</b> 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: 80-125 micron/3.2-5 mils. Keep thinning to a minimum to ensure that correct film thickness is obtained. The proper way of governing the film thickness is to sub-divide the areas to be painted and calculate the amount of paint to be applied on each sub-divided area. The exact amount of paint calculated shall be applied evenly on the area. For further information, see the corresponding painting specification.
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.
Nota:	<b>HEMPEL'S ANTIFOULING GLOBIC 610 81960</b>
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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