



Product Data

HEMPEL'S ANTIFOULING OLYMPIC HI-76600

TIN FREE

Description: HEMPEL'S ANTIFOULING OLYMPIC HI-76600 is a tin-free ablative antifouling bottom paint, based on a polyamide polymer and containing cuprous oxide. Due to its self-renewing effect, this product maintains a continually bio-active surface during its entire life. By providing a constantly active surface during its lifetime, this antifouling is gradually sacrificed in the process. The colour of the system changes in accordance with the colours of the coats applied. Light red 50300 changes to whitish in direct contact with seawater. 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 an antifouling for maintenance of bottom on vessels operating in global trade and with short idle periods. Approved under MIL-PRF-24647.

Availability: Subject to confirmation.

PHYSICAL CONSTANTS:

Colours/Shade Nos.:	Light red/50300 - Red/51110 - Black/19990 (<i>see REMARKS overleaf</i>)	
Finish:	Flat	
Volume solids:	65%	
Theoretical spreading rate:	6.5 m ² /litre - 100 microns 260 sq.ft/US gallon - 4.0 mils	
Flash point:	22°C/72°F	
Specific gravity:	2.2 kg/litre - 18.5 lbs/US gallon	
Dry to touch:	4 hours at 20°C/68°F	
V.O.C.:	390 g/litre - 3.2 lbs/US gallon	According to US EPA Method 24.

The physical constants are subject to normal manufacturing tolerances. Further reference is made to "Explanatory Notes" in the Hempel Book.

APPLICATION DETAILS:

Application method:	Airless spray	Brush/Roller (<i>See REMARKS overleaf</i>)
Thinner (max. vol.):	0808 (5%)	0808 (5%)
Nozzle orifice:	.023"-.027"	
Nozzle pressure:	250 bar/3600 psi (<i>Airless spray data are indicative and subject to adjustment</i>)	
Cleaning of tools:	THINNER 08080	
Indicated film thickness, dry:	100 micron/4 mils (<i>See REMARKS overleaf</i>)	
Indicated film thickness, wet:	175 micron/7 mils	
Overcoating interval, min.:	8 hours (20°C/68°F)	
Overcoating interval, max.:	See REMARKS overleaf	

Safety: Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Material Safety Data Sheets and follow all local or national safety regulations. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only in well ventilated areas.

Issued: June 2004



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SURFACE PREPARATION:	Existing antifouling: Remove possible oil and grease etc. with suitable detergent followed by (high pressure) fresh water cleaning, also to remove possible weak structure of leached antifouling. Allow the surface to dry before recoating. Whether or not to use a sealer coat depends on the type and condition of the existing antifouling.
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. In confined spaces such as sea chests and stagnant air under large flat bottoms provide adequate ventilation during application and drying.
PRECEDING COAT:	HEMPATEX ALUMINUM 16300 or according to specification. Thick layers of chlorinated rubber primers may cause fine cracking of the antifouling.
SUBSEQUENT COAT:	None. At later redocking direct overcoating - after a very proper cleaning and a thorough removal of possible loose outer layer - can as a general rule only take place with itself or similar ablative antifouling. For other antifouling measures of different kinds will be necessary, contact nearest Hempel Office. After the high pressure fresh water cleaning of the old ablative antifouling it is essential that it becomes through dry before painting.
REMARKS:	This product contains heavy particles. Stir well before use. Indicated film thickness will vary according to specification. This will alter spreading rate and may influence drying time. In case of multi-coat application, drying time and minimum recoat interval will be influenced by the number of coats and by the thickness of each coat applied - reference is made to the corresponding painting specification. Range and control of dry film thickness: 60 microns/2.4 mils to preferable maximum being 100 micron/4.0 mils per coat. Up to 125 micron/5.0 mils per coat may be applied by requires extra drying time and a total max. dft of 300 micron/12 mils is recommended. 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 must be applied evenly on the area. For further information, please consult the corresponding painting specification. Recommended number of coats: 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(s). Minimum undocking time depends on drying condition of the paint film, corresponding painting specification gives further information. It is recommended to apply one coat only for possible outfitting, remaining layer(s) before delivery. If the full system is applied before launching, the paint film may show mudcracking by drying out at a delivery dry-docking. Usually this has no negative influence on later performance.
Note:	EPA Registration No. 10250-42. HEMPEL'S ANTIFOULING OLYMPIC HI-76600 is for professional use only.
Issued:	June 2004 - 7660050300US001 HEMPEL A/S

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