
Description:	HEMPEL'S ANTIFOULING COMBIC ALU 71800 is a tin and copper-free polishing antifouling based on a combination of organic bioactive materials.
Recommended use:	As antifouling for protection of aluminium hulls and for use in polluted waters when paints containing tin and copper are not suitable. Also suited as outer layer in GLOBIC antifouling systems on vessels being outfitted in industrial polluted waters.
Availability:	Not included in Group Assortment. Availability subject to special agreement.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	51170 / Red
Finish:	Semi-flat
Volume solids, %:	57 ± 1
Theoretical spreading rate:	5.7 m ² /l [228.6 sq.ft./US gallon] - 100 micron/4 mils
Flash point:	32 °C [89.6 °F]
Specific gravity:	1.4 kg/litre [12.1 lbs/US gallon]
Dry to touch:	10 approx. hour(s) 20°C/68°F
VOC content:	382 g/l [3.2 lbs/US gallon] <i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>
APPLICATION DETAILS:	
Application method:	Airless spray / Air spray / Brush
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:	100 micron [4 mils] (see REMARKS overleaf)
Indicated film thickness, wet:	175 micron [7 mils]
Overcoat interval, min:	According to specification.
Overcoat 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.

SURFACE PREPARATION:	Existing old self-polishing or ablative 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. Allow the surface to dry before coating. Sealer: Whether to use a sealer coat/tiecoat or not 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 provide adequate ventilation during application and drying.
PRECEDING COAT:	According to specification. Recommended systems are: HEMPADUR 45182, HEMPATEX HI-BUILD 46330.
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.
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 overcoating interval. In case of multi-coat application, drying time and minimum overcoating interval will be influenced by the number of coats and by thickness of each coat applied - reference is made to the corresponding painting specification. Normal range is: 80-125 micron/3.2-5 mils. Keep thinning to a minimum to ensure that correct film thickness is obtained. When used for outfitting purpose typical dry film thickness is: 50 micron/2 mils.
Launching:	Minimum undocking time depends on number of coats applied, film thickness, the prevailing temperature and the subsequent exposure/service conditions. For further information, see the corresponding painting specification. It is important to carry out thorough high pressure fresh water cleaning after prolonged exposure. When such a cleaning is carried out normally exposure to the atmosphere presents no problems up to: 3 months.
Overcoating:	If the maximum overcoating interval is exceeded, clean with fresh water and allow to dry. Light abrade and remove all dust prior to repainting. If surface has been contaminated by oils and pollutants, thoroughly remove with suitable detergent, rinse with fresh water and allow to dry. Light abrade and remove all dust prior to repainting.
Overcoating note:	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. If roller/brush application exceptionally is utilized (e.g. to line cut) more coats are necessary to achieve the recommended film thickness.
Note:	HEMPEL'S ANTIFOULING COMBIC ALU 71800 For professional use only.
ISSUED BY:	HEMPEL A/S 7180051170

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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