

# HEMPALIN\* ENAMEL 52140

<b>Description:</b>	HEMPALIN ENAMEL 5214 is a glossy alkyd enamel which forms a weather resistant coating. It is flexible and resistant to salt water and spillage of mineral oil and other aliphatic hydrocarbons.
<b>Recommended use:</b>	As a general purpose finishing coat in alkyd systems on exterior and interior steel and woodwork in mildly to moderately corrosive environment. As a finishing coat in engine rooms including tanktops, main engines and auxiliary machinery.
<b>Service temperatures:</b>	Maximum, dry: 120°C/248°F (these temperatures may cause yellowing/discoloration).
<b>Approvals, certificates:</b>	Approved as a low flame spread material by Danish, British, German, Japanese, Norwegian, Canadian, Belgian and Italian authorities.
<b>Availability:</b>	Normally available from Hempel's sales offices world-wide. However, it is recommended to check with the local Hempel representative whether the colour needed is a stock item with short delivery time or whether special conditions apply.

## PHYSICAL CONSTANTS:

Colours/Shade nos:	White/10000*	Black/19990*
Finish:	Glossy	Glossy
Volume solids:	47%	43%
Theoretical spreading rate:	15.7 m <sup>2</sup> /litre - 30 micron 628 sq.ft./US gallon - 1.2 mils	14.3 m <sup>2</sup> /litre - 30 micron 575 sq.ft./US gallon - 1.2 mils
Flash point:	38°C/100°F	38°C/100°F
Specific gravity:	1.1 kg/litre - 9.2 lbs/US gallon	0.9 kg/litre - 7.5 lbs/US gallon
Surface dry:	2½ (approx.) hrs at 20°C/68°F (ISO 1517)	2½ (approx.) hrs at 20°C/68°F (ISO 1517)
Dry to touch:	6-8 hours at 20°C/68°F	6-8 hours at 20°C/68°F
V.O.C.:	420 g/litre - 3.5 lbs/US gallon	455 g/litre - 3.8 lbs/US gallon

*\*Other shades according to assortment list.*

*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	Air spray	Brush/Roller	
Thinner (max. vol.):	0823 (5%)	0823 (15%)	0823 (5%)	(See REMARKS overleaf)
Nozzle orifice:	.018"			
Nozzle pressure:	150 bar/2200			
	<i>(Airless spray data are indicative and subject to adjustment)</i>			
Cleaning of tools:	THINNER 0823			
Indicated film thickness, dry:	30 micron/1.2 mils			
Indicated film thickness, wet:	75 micron/3 mils			
Recoat interval, min:	8 hours (20°C/68°F)			
Recoat interval, max:	See REMARKS overleaf			

Issued: March 1998

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APPLICATION CONDITIONS:	As dictated by normal good painting practice. In confined spaces provide adequate ventilation during application and drying.
PREDEDING COAT:	HEMPALIN PRIMER 1205, HEMPALIN PRIMER HI-BUILD 1320, HEMPALIN UNDERCOAT 4246 or according to specification.
SUBSEQUENT COAT:	None.
REMARKS:	
Colours:	Certain lead-free red and yellow colours may discolour when exposed to sulphide and chlorine-containing atmosphere.
Film thicknesses:	May be specified in other film thicknesses than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and recoat interval. Normal range 30-40 micron/1.2-1.6 mils. A series of maintenance jobs may result in build up of a too high total film thickness which may cause blister formation due to "entrapped" solvents. As each coat may also retain solvents, it is generally recommended <b>not</b> to apply HEMPALIN ENAMEL 5214 in excessive film thickness.
Thinning:	THINNER 0808 may be used for spray application, however, with a certain risk of wrinkling of the preceding <b>fresh</b> coat of HEMPALIN ENAMEL.
Recoating:	Recoat intervals related to later conditions of exposure: (30 micron/1.2 mils dry film thickness of HEMPALIN ENAMEL 5214)

	Minimum		Maximum	
Surface temperature	20°C/68°F		20°C/68°F	
Recoated with (quality numbers only)	Atmospheric		Atmospheric	
	Mild	Medium	Mild	Medium
5214	8 hours	8 hours	None	5 days

If the maximum recoat interval is exceeded, roughening of the surface is recommended to ensure intercoat adhesion.  
Before recoating after exposure in contaminated environment, clean the surface thoroughly by (high pressure) fresh water hosing and allow to dry.

Note: **HEMPALIN ENAMEL 5214 is for professional use only.**

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. Harmful or fatal if swallowed; immediately seek medical assistance if swallowed. Avoid inhalation of possible solvent vapours or paint mist, as well as paint contact with skin and eyes. Apply only in well ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.

This Product Data Sheet supersedes those previously issued. For definition and scope, see explanatory notes to applicable Product Data Sheets. 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. The Products are supplied and all technical assistance is given subject to HEMPEL's GENERAL CONDITIONS OF SALES, DELIVERY AND SERVICE, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise.  
Product data are subject to change without notice and become void five years from the date of issue.

Issued by HEMPEL'S MARINE PAINTS A/S.

\*This is a corporate trademark of the Hempel Group.

March 1998 - 5214010000CO015