



HEMPALIN ENAMEL 52140

Description:	HEMPALIN ENAMEL 52140 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.
Recommended use:	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 tank tops, main engines and auxiliary machinery.
Service temperature:	Maximum, dry exposure only: 120°C/248°F (These temperatures may cause yellowing/discolouration.)
Certificates/Approvals:	Approved as a low flame spread material. According to IMO resolution MSC 61 (67): Denmark, France, Singapore, Spain EC-type Examination Certificate: Denmark, France, Indonesia, Malaysia, Singapore, Spain Complies with EU Directive 2004/42/EC: subcategory i.
Availability:	Part of Group Assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	10000* / White.
Finish:	Glossy
Volume solids, %:	46 ± 1
Theoretical spreading rate:	15.3 m ² /l [613.5 sq.ft./US gallon] - 30 micron/1.2 mils
Flash point:	38 °C [100.4 °F]
Specific gravity:	1.1 kg/litre [9 lbs/US gallon]
Surface dry:	2.5 approx. hour(s) 20°C/68°F
Dry to touch:	6 - 8 hour(s) 20°C/68°F
VOC content:	430 g/l [3.6 lbs/US gallon] <i>*Wide range of colours available via Hempel's MULTI-TINT system.</i>
	<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.):	08230 (5%) / 08230 (15%) / 08230 (5%) see REMARKS overleaf
Nozzle orifice:	0.018 "
Nozzle pressure:	150 bar [2175 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 08230
Indicated film thickness, dry:	30 micron [1.2 mils]
Indicated film thickness, wet:	75 micron [3 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:

New steel: Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Power tool cleaning to St 3 or abrasive blasting to Sa 2 (ISO 8501-1:2007). Prime with:HEMPALIN

Repair and maintenance:

Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Remove all rust and loose material by abrasive blasting or power tool cleaning. Dust off residues. Prime with:

HEMPALIN Touch up bare spots with:
HEMPALIN ENAMEL 52140.

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: HEMPALIN PRIMER 12050 or HEMPALIN PRIMER HI-BUILD 13200 or HEMPALIN UNDERCOAT 42460

SUBSEQUENT COAT:

None.

REMARKS:

VOC - EU Directive 2004/42/EC:

Product	As supplied	13 vol. % thinning	Limit phase II, 2010
5214010000	430 g/l	485 g/l	500 g/l

For VOC of other shades, please refer to Safety Data Sheet.

Colours/Colour stability:

Certain lead-free red and yellow colours may discolour when exposed to chlorine-containing atmosphere. Leaded colours may become discoloured when exposed to sulphide-containing atmosphere. To obtain full opacity, an extra coat may be necessary, especially for certain lead-free colours in red, orange, yellow and green.

Film thicknesses/thinning:

THINNER 08080 may be used for a spray application, however, with a certain risk of wrinkling of a preceding **fresh** HEMPALIN coat.

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: 30-40 micron/1.2-1.6 mils

Recoating intervals:

Recoating intervals related to later conditions of exposure: Recommended dry film thickness: 30 micron/1.2 mils of HEMPALIN ENAMEL52140.

If the maximum recoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

Before recoating after exposure in contaminated environment, clean the surface thoroughly with high pressure fresh water hosing and allow drying.

Note:

HEMPALIN ENAMEL 52140 For professional use only.

ISSUED BY:

HEMPEL A/S

5214010000

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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