



Product Data

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 temperatures:	Maximum, dry exposure only: 120°C/248°F (these temperatures may cause yellowing/discoloration).
Certificates/Approvals:	Approved as a low flame spread material by Danish, French, Spanish and Singaporean authorities according to IMO resolution MSC 61 (67). Has a Danish, French, Spanish, Singaporean, Malaysian and Indonesian EC-type Examination Certificate. Complies with EU Directive 2004/42/EC, subcategory i. Please see REMARKS overleaf.
Availability:	Part of Group Assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Colours/Shade nos:	White/10000*	Black/19990*
Finish:	Glossy	Glossy
Volume solids, %:	46 ± 1	43 ± 1
Theoretical spreading rate:	15.3 m ² /litre - 30 micron 615 sq.ft./US gallon - 1.2 mils	14.3 m ² /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.:	430 g/litre - 3.6 lbs/US gallon	455 g/litre - 3.8 lbs/US gallon

*Wide range of colours available via Hempel's MULTI-TINT system.

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas. They are subject to normal manufacturing tolerances and where stated, being standard deviation according to ISO 3534-1.

APPLICATION DETAILS:

Application method:	Airless spray	Air spray	Brush/Roller	
Thinner (max. vol.):	08230 (5%)	08230 (15%)	08230 (5%)	(See REMARKS overleaf)
Nozzle orifice:	.018"			
Nozzle pressure:	150 bar/2200 psi			
	(Airless spray data are indicative and subject to adjustment)			
Cleaning of tools:	THINNER 08230			
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			

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.
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APPLICATION CONDITIONS:	As dictated by normal good painting practice. In confined spaces provide adequate ventilation during application and drying.
PRECEDING COAT:	HEMPALIN PRIMER 12050, HEMPALIN PRIMER HI-BUILD 13200, HEMPALIN UNDERCOAT 42460 according to specification.
SUBSEQUENT COAT:	None.
REMARKS:	
VOC - EU directive 2004/42/EC:	
VOC:	

	As supplied	15 vol. % thinning	Limit phase II, 2010
VOC in g/l	460	500	500

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

Certificates have been issued under the former quality number 5214.

Colours:	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 eg red, orange, yellow and green.
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.
Thinning:	THINNER 08080 may be used for spray application, however, with a certain risk of wrinkling of the preceding fresh coat of HEMPALIN.
Recoating:	Recoat intervals related to later conditions of exposure: (30 micron/1.2 mils dry film thickness of HEMPALIN ENAMEL 52140)

	Minimum		Maximum	
Surface temperature	20°C/68°F		20°C/68°F	
Recoated with (quality numbers only)	Atmospheric		Atmospheric	
	Mild	Medium	Mild	Medium
52140	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 drying.

Note: **HEMPALIN ENAMEL 52140 is for professional use only.**

ISSUED BY: HEMPEL A/S - 5214010000C0018

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" in the HEMPEL Book.

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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Product data are subject to change without notice and become void five years from the date of issue.