

<b>Description:</b>	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.
<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 tank tops, main engines and auxiliary machinery.
<b>Service temperature:</b>	Maximum, dry exposure only: 120°C/248°F (These temperatures may cause yellowing/discolouration.)
<b>Certificates/Approvals:</b>	Approved as a low flame spread material when used as part of a predefined paint system. Please refer to "Declaration of Conformity" on <a href="http://www.Hempel.com">www.Hempel.com</a> for further details. Complies with EU Directive 2004/42/EC: subcategory i.
<b>Availability:</b>	Part of Group Assortment. Local availability subject to confirmation.
<b>PHYSICAL CONSTANTS:</b>	
Shade nos/Colours:	10000* / White
Finish:	High-gloss
Volume solids, %:	46 ± 1
Theoretical spreading rate:	15.3 m <sup>2</sup> /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:	3 hour(s) 20°C/68°F
Through-dry:	5.5 hour(s) 20°C/68°F
VOC content:	429 g/l [3.6 lbs/US gallon]
Shelf life:	5 years (25°C/77°F) from time of production. <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>
<b>APPLICATION DETAILS:</b>	
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]
Overcoat interval, min:	see REMARKS overleaf
Overcoat interval, max:	see REMARKS overleaf
<b>Safety:</b>	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:** **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	15 vol. % thinning	Limit phase II, 2010
5214010000	429 g/l	493 g/l	500 g/l

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

**Colours/Colour stability:** Colour stability for some shades may be effected by exposure to harsh chemical atmospheres. This does not affect the performance of the coating.

For certain colours extra coats may be necessary to obtain full opacity. This does not affect the performance of the coating.

**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 overcoating interval. Normal range dry is: 30-40 micron/1.2-1.6 mils

**Overcoating:**

For application in Korea, thinning has be limited up to 1%(Max. vol) to comply with VOC regulation.

Overcoating intervals related to later conditions of exposure: If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

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

A specification supersedes any guideline overcoat intervals indicated in the table.

Environment	Atmospheric, medium					
	10°C (50°F)		20°C (68°F)		30°C (86°F)	
	Min	Max	Min	Max	Min	Max
52140	16 h	9 d	8 h	5 d	6 h	3½ d

NR = Not Recommended, Ext. = Extended, m = minute(s), h = hour(s), d = day(s)

**Overcoating intervals:**

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

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

Before overcoating 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](http://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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