

# Product data

## VERNALIN ENAMEL 52140



**Description:** **VERNALIN ENAMEL 52140** is a glossy alkyd enamel which forms a weather resistant coating. Its 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 system on exterior and interior steel and woodwork in mildly to moderately corrosive environment.

**Service temperature:** Maximum, dry exposure only: 120°C/284°F  
(this temperature may cause yellowing/discoloration)

**Certificates/Approvals:** Approved as low flame spread material by Danish, French, Spanish and Singaporean authorities according to IMO resolution 61(67).

**Availability:** Part of Group Assortment. Local availability subject to confirmation.

### PHYSICAL CONSTANTS:

Shade nos/Colours:	White/10000*	19990 / Black.
Finish:	Glossy	Glossy
Volume solids, %:	46 ± 1	43 ± 1
Theoretical spreading rate:	15.3 m <sup>2</sup> /l - 30 micron [615 sq. ft./US gallon-1.2mils]	14.3 m <sup>2</sup> /litre - 30 micron [575 sq.ft./US gallon-1.2mils]
Flash point:	38°C [100°F]	38°C [100°F]
Specific gravity:	1.1 kg/liter [9.2 lbs/US gallon]	0.9 kg/liter [7.5 lbs/US gallon]
Surface-dry:	2½ approx hour(s) at 20° C/68°F (ISO 1517)	2½ (approx) hrs at 20° C/68°F (ISO 1517)
Dry to touch:	6-8approx. hour(s) 20°C/68°F	6-8approx. hour(s) 20°C/68°F
VOC content:	430 g/liter - 3.6 lbs/US gallon	455 g/litre - 3.8 lbs/US gallon

\*Wide range of colours available via VERNA Multi-tint System

### APPLICATION DETAILS:

Application method:	Airless spray	air spray	brush/roller
Thinner (max.vol.):	08230(5%)	08230(15%)	08230(5%)
Nozzle orifice:	.018"		
Nozzle pressure:	150bar/2200 psi (airless data are indicative and subject to adjustment)		
Cleaning 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: As dictated by normal good painting practice.  
 CONDITIONS: In confined spaces provide adequate ventilation during application and drying.  
 PREDEDI NG COAT: VERNAALIN PRIMER 12050, VERNALIN PRIMER HI-BUILD 13200, VERNALIN UNDERCOAT 42460 according to specification.  
 SUBSEQUENT COAT: None

REMARKS:  
 VOC - EU directive 2004/42/EC:

	As supplied	15 vol. % thinning	Limit phase I, 2007	Limit phase II, 2010
VOC in g/l	460	500	600	500

voc: For VOC of other shades, please refer to safety data sheet.

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 3040 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 VERNALIN

Recoating: Recoat intervals related to later conditions of exposure:  
 (30 micron/ 1.2 mils dry film thickness of VERNALIN ENAMEL 52140)

	Minimum		Maximum	
Surface temperature	20°C/680F		20°C/680F	
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: **VERNALIN ENAMEL 52140 is for professional use only.**

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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