



Product Data

HEMPALIN® ENAMEL HI-BUILD 52220

Description:	HEMPALIN ENAMEL HI-BUILD 52220 is an alkyd paint, which can be applied in high film thickness by airless spray.	
Recommended use:	As a finishing coat in HEMPALIN Systems on interior and exterior steel 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.	
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	
Finish:	Glossy	
Volume solids, %:	47 ± 1	
Theoretical spreading rate:	7.8 m ² /litre - 60 micron 314 sq.ft/US gallon - 2.4 mils	
Flash point:	38°C/100°F	
Specific gravity:	1.1 kg/litre - 9.2 lbs/US gallon	
Surface dry:	2½ (approx) hours at 20°C/68°F (ISO 1517)	
Dry to touch:	6-8 hours at 20°C/68°F	
V.O.C.:	435 g/litre - 3.6 lbs/US gallon	
	<i>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.</i>	
APPLICATION DETAILS:		
Application method:	Airless spray	Brush (touch up)
Thinner (max.vol.):	08230 (5%)	08230 (5%)
Nozzle orifice:	.021"-.023"	
Nozzle pressure:	200 bar/2900 psi <i>(Airless spray data are indicative and subject to adjustment)</i>	
Cleaning of tools:	THINNER 08080	
Indicated film thickness, dry:	60 micron/2.4 mils <i>(See REMARKS overleaf)</i>	
Indicated film thickness, wet:	125 micron/5 mils	
Recoat interval, min:	See REMARKS overleaf	
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 HI-BUILD 13200 or according to specification.

SUBSEQUENT COAT: None.

REMARKS:

VOC - EU directive 2004/42/EC:

	As supplied	5 vol. % thinning	Limit phase I, 2007	Limit phase II, 2010
VOC in g/l	433	460	600	500

VOC:

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

Certificate has been issued under the former quality number 5222.

Recoating: Recoat intervals related to later conditions of exposure:
(60 micron/2.4 mils dry film thickness of HEMPALIN ENAMEL HI-BUILD 52220)

	Minimum		Maximum	
Surface temperature	20°C/68°F		20°C/68°F	
Recoated with (quality number only)	Atmospheric		Atmospheric	
	Mild	Medium	Mild	Medium
52220	12 hours	16 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 surface thoroughly by (high pressure) fresh water hosing and allow drying.

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 recoat interval.

Do not expose liquid paint to temperatures above 40°C/104°F neither during storage nor in connection with application.

Note: **HEMPALIN ENAMEL HI-BUILD 52220 is for professional use only.**

ISSUED BY: HEMPEL A/S 2003 - 5222010000C0006

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.