



# Product Data

## HEMPALIN® UNDERCOAT 42460

<b>Description:</b>	HEMPALIN UNDERCOAT 42460 is a fairly quick-drying alkyd paint.		
<b>Recommended use:</b>	As a general purpose undercoating in alkyd paint systems on exterior and interior steelwork, wood, plaster, etc. in mildly to moderately corrosive environment.		
<b>Service temperatures:</b>	Maximum, dry exposure only: 120°C/248°F.		
<b>Certificates/Approvals:</b>	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 and Malaysian EC-type Examination Certificate. Please see REMARKS overleaf.		
<b>Availability:</b>	Part of Group Assortment. Local availability subject to confirmation.		
<b>PHYSICAL CONSTANTS:</b>			
Colours/Shade nos.:	White/10000		
Finish:	Flat		
Volume solids, %:	53 ± 1		
Theoretical spreading rate:	13.3 m <sup>2</sup> /litre - 40 micron 531 sq.ft./US gallon - 1.6 mils		
Flash point:	38°C/100°F		
Specific gravity:	1.4 kg/litre - 11.7 lbs/US gallon		
Dry to touch:	4 (approx.) hours at 20°C/68°F		
V.O.C.:	385 g/litre - 3.2 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>		
<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:	.015"-.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:	40 micron/1.6 mils		
Indicated film thickness, wet:	75 micron/3 mils		
Recoat interval, min:	See REMARKS overleaf		
Recoat 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 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 PRIMERS or according to specification.
SUBSEQUENT COAT:	HEMPALIN ENAMELS or according to specification.
REMARKS:	Some of the <b>certificates</b> have been issued under the former quality number 4246.
Film thicknesses:	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.
Thinning:	THINNER 08080 may be used for spray application, however, with a certain risk of wrinkling of a preceding <b>fresh</b> HEMPALIN coat.
Recoating:	Recoating intervals related to later conditions of exposure: (40 micron/1.6 mils dry film thickness of HEMPALIN UNDERCOAT 42460)

	Minimum		Maximum	
Surface Temperature	20°C/68°F		20°C/68°F	
Recoated with	Atmospheric		Atmospheric	
	Mild	Medium	Mild	Medium
HEMPALIN (white spirit only)	5 hours	8 hours	None	7 days

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

Before recoating after exposure in contaminated environment, clean surface thoroughly by (high pressure) fresh water cleaning and allow to dry.

Note: **HEMPALIN UNDERCOAT 42460 is for professional use only.**

ISSUED BY: HEMPEL A/S - 4246010000C0019

*This Product Data Sheet supersedes those previously issued.  
For explanations, definitions and scope, see "Explanatory Notes" in the HEMPEL Book.  
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