



HEMPADUR ULTRA-STRENGTH 47500

47500: BASE 47509: CURING AGENT 98510

Description:	HEMPADUR ULTRA-STRENGTH 47500 is a self-priming, two-component, high-build, pure epoxy-polyamine paint which cures to a very abrasion, impact and corrosion resistant coating. Applicable by standard heavy duty airless spray equipment.
Recommended use:	As a heavy duty coating for areas exposed to abrasion and aggressive corrosive climate such as hatch coamings and cargo holds of bulk carriers.
Service temperature:	Maximum, dry exposure only: 140°C/284°F
Certificates/Approvals:	Complies with Section 175.300 of U.S. Federal Regulations (in respect of carriage of dry foodstuffs) (FDA) in spaces with an internal surface area larger than 1000 m ² /10.750 sq.ft. Tested for non-contamination of grain cargo at the Newcastle Occupational Health & Hygiene, Great Britain.
Availability:	Part of Group Assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	50630* / Red
Finish:	Semi-gloss
Volume solids, %:	75 ± 1
Theoretical spreading rate:	5.9 m ² /l [236.6 sq.ft./US gallon] - 125 micron/5 mils
Flash point:	26 °C [78.8 °F]
Specific gravity:	1.5 kg/litre [12.9 lbs/US gallon]
Dry to touch:	3 approx. hour(s) 20°C/68°F
Fully cured:	7 day(s) 20°C/68°F
VOC content:	135 g/l [1.1 lbs/US gallon] (According to EPA Fed Ref Method 24) <i>*other shades according to assortment list.</i>
	<i>The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.</i>
APPLICATION DETAILS:	
Version, mixed product:	47500
Mixing ratio:	BASE 47509: CURING AGENT 98510 3:1 by volume
Application method:	Airless spray
Thinner (max.vol.):	08450 (5%)
Pot life:	1 hour(s) 20°C/68°F
Nozzle orifice:	0.021 - 0.023 "
Nozzle pressure:	250 bar [3625 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S TOOL CLEANER 99610
Indicated film thickness, dry:	125 micron [5 mils]
Indicated film thickness, wet:	175 micron [7 mils]
Recoat interval, min:	According to separate APPLICATION INSTRUCTIONS
Recoat interval, max:	According to separate APPLICATION INSTRUCTIONS
Safety:	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.



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SURFACE PREPARATION:	New steel: Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Abrasive blasting to Sa 2 (ISO 8501-1:1988), with a surface profile equivalent to Rugotest No. 3 BN 10, Keane-Tator Comparator 3.0 G/S or ISO Comparator, rough MEDIUM (G). After blasting, clean the surface carefully from abrasives and dust. 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 wet or dry abrasive blasting or power tool cleaning. Feather edges to sound and intact areas. After wet abrasive blasting hose down the surface with fresh water and allow drying. Touch up bare spots with: specified HEMPADUR paint
APPLICATION CONDITIONS:	Use only where application and curing can proceed at temperatures above: - 5°/23°F. The temperature of the paint itself should be above: 15°C/59°F . 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. To achieve full mechanical properties the coating requires a period of cure above 5°C/41°F. Consult HEMPEL for specific advice if in doubt.
PRECEDING COAT	None. HEMPADUR 15590 or HEMPADUR ULTRA-STRENGTH 47500 :may be used as a "blast primer"/hold-coat (min. temperature 10°C/50°F) when diluted 15-25% with HEMPEL'S THINNER 08450.
SUBSEQUENT COAT:	None.
REMARKS:	
Weathering/service temperatures:	The natural tendency of epoxy coatings to chalk in outdoor exposure and to become more sensitive to mechanical damage and chemical exposure at elevated temperatures is also reflected in this product.
Application equipment:	It is recommended to use heavy airless spray equipment with a pump transmission rate of 60:1 (approximately), and a theoretical output of min. 12 litres per minute.
Film thicknesses/thinning:	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: 125-150 micron/5-6 mils. Thinning: Normally not to be diluted.
Curing agent:	The CURING AGENT will become darker during storage.
Note:	HEMPADUR ULTRA-STRENGTH 47500 For professional use only.
ISSUED BY:	HEMPEL A/S

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This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on 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.

The Products are supplied and all technical assistance is given subject to HEMPEL's GENERAL CONDITIONS OF SALES, DELIVERY AND SERVICE, unless otherwise expressly agreed in writing. The Manufacturer and Seller disclaim, and Buyer and/or User waive all claims involving, any liability, including but not limited to negligence, except as expressed in said GENERAL CONDITIONS for all results, injury or direct or consequential losses or damages arising from the use of the Products as recommended above, on the overleaf or otherwise. Product data are subject to change without notice and become void five years from the date of issue.