

# HEMPADUR\* 17630

CURING AGENT 97330

<b>Description:</b>	HEMPADUR 1763 is a two-component, high-build, polyamide adduct-cured epoxy paint which cures to a coating with good resistance to seawater and crude oil.		
<b>Recommended use:</b>	As a selfprimed coating for ballast water tanks and similar. As a primer for epoxy systems for atmospheric or in-water service. Suitable for application down to 0°C/32°F.		
<b>Service temperatures:</b>	Dry:	In oil:	In water (max temperature gradient 10°C/18°F):
Maximum:	90°C/194°F	60°C/140°F	40°C/104°F
<b>Approvals:</b>	After testing at Marintek, a subsidiary of Sintef in Norway, the system HEMPADUR 1763 in two coats was given the highest classification, B1. Accepted by Lloyd's Register of Shipping as a provisionally recognized corrosion control coating.		
<b>Availability:</b>	Subject to confirmation.		

## PHYSICAL CONSTANTS:

Colours/Shade nos:	Grey/12170 - cream/20320
Finish:	Semi-flat
Volume solids:	67%
Theoretical spreading rate:	4.5 m²/litre - 150 micron 179 sq.ft./S gallon - 6 mils
Flash point:	32°C/90°F
Specific gravity:	1.4 kg/litre - 11.7 lbs/US gallon
Dry to touch:	7-8 hours at 20°C/68°F
Fully cured:	7 days at 20°C/68°F
V.O.C.:	315 g/litre - 2.6 lbs/US gallon

*The physical constants are subject to normal manufacturing tolerances.  
Further reference is made to "Explanatory Notes" in the Hempel Book.*

## APPLICATION DETAILS:

Mixing for 17630:	Base 17639 : Curing agent 97330 4 : 1 parts by volume	
Application method:	Airless spray	Brush
Thinner (max.vol.):	0845 (5%)	0845 (5%)
Pot life:	2 hours (20°C/68°F)	
Nozzle orifice:	.021"-.023"	
Nozzle pressure:	250 bar/3600 psi (Airless spray data are indicative and subject to adjustment)	
Cleaning of tools:	HEMPEL'S TOOL CLEANER 9961	
Indicated film thickness, dry:	150 micron/6 mils	
Indicated film thickness, wet:	225 micron/9 mils	
Recoat interval, min:	16 hours (20°C/68°F)	
Recoat interval, max:	See REMARKS overleaf	

Issued: March 1998

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SURFACE PREPARATION:	<p><b>New steel:</b> Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Abrasive blasting to Sa 2½. For temporary protection, if required, use a suitable shopprimer. All damage of shopprimer and contamination from storage and fabrication should be thoroughly cleaned prior to final painting. For repair and touch up, use HEMPADUR 1763.</p> <p><b>Repair and maintenance:</b> Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to St 3 (minor areas) or by abrasive blasting to min. Sa 2, preferably to Sa 2½. Improved surface preparation will improve the performance of HEMPADUR 1763. As an alternative to dry cleaning, waterjetting to WJ-2 (NACE No. 5/SSPC-SP 12), may be used. A flash-rust degree of maximum FR-2 (Hempel standard) is acceptable before application. Feather edges to sound and intact paint. Dust off residues. Touch up to full film thickness.</p> <p>On pit-corroded surfaces, excessive amounts of salt residues may call for water jetting, wet abrasive blasting, alternatively dry abrasive blasting, high pressure fresh water hosing, drying, and finally, dry abrasive blasting again.</p>
APPLICATION CONDITIONS:	<p>Use only where application and curing can proceed at temperatures above 0°C/32°F. The temperature of the paint itself should be above 15°C/59°F for proper application. Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation.</p> <p>In confined spaces provide adequate ventilation during application and drying.</p>
SUBSEQUENT COAT:	None or according to specification.
REMARKS:	
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 125-200 micron/5-8 mils.
Recoating:	Recoating intervals related to curing temperatures: (150 micron/6 mils dry film thickness of HEMPADUR 1763)

	Minimum			Maximum*		
	0°C/32°F	10°C/50°F	20°C/68°F	0°C/32°F	10°C/50°F	20°C/68°F
Recoated with HEMPADUR 1763 or a similar type of HEMPADURS	3 days	32 hours	16 hours	3 weeks	10 days	5 days

\*If the coating has been subjected to direct sunlight for only a short period, the maximum recoating interval may be prolonged to 30 days (20°C/68°F).

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

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

Note: **HEMPADUR 1763 is for professional use only.**

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. Harmful or fatal if swallowed; immediately seek medical assistance if swallowed. Avoid inhalation of possible solvent vapours or paint mist, as well as paint contact with skin and eyes. Apply only in well ventilated areas and ensure that adequate forced ventilation exists when

This Product Data Sheet supersedes those previously issued. For definition and scope, see explanatory notes to applicable Product Data Sheets.

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.

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March 1998 - 1763012170CR002

applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.