



## HEMPADUR OBM 47150

47150: BASE 47159: CURING AGENT 97432

<b>Description:</b>	HEMPADUR OBM 47150 is a two-component, high build epoxy paint. It forms a hard and tough coating resistant to seawater, mineral oils and splashes from petrol and related products.
<b>Recommended use:</b>	For repair and maintenance work at application temperatures above 0°C/32°F on hatch covers, decks, in cargo holds, etc.
<b>Service temperature:</b>	Maximum, dry exposure only: 140°C/284°F
<b>Certificates/Approvals:</b>	Complies with Section 175.300 of the Code of Federal Regulations Title 21 – Dry Foodstuff. Consult Hempel for details. Tested for non-contamination of grain cargo at the Newcastle Occupational Health & Hygiene, Great Britain. Approved as a low flame spread material when used as part of a predefined paint system. Please refer to "Declaration of Conformity" on <a href="http://www.Hempel.com">www.Hempel.com</a> for further details.
<b>Availability:</b>	Part of Group Assortment. Local availability subject to confirmation.

### PHYSICAL CONSTANTS:

Shade nos/Colours:	11480* / Grey.
Finish:	Semi-flat
Volume solids, %:	55 ± 1
Theoretical spreading rate:	7.3 m <sup>2</sup> /l [292.7 sq.ft./US gallon] - 75 micron/3 mils
Flash point:	29 °C [84.2 °F]
Specific gravity:	1.3 kg/litre [10.9 lbs/US gallon]
Surface dry:	2 approx. hour(s) 20°C/68°F
Dry to touch:	4 hour(s) 20°C/68°F
Fully cured:	7 day(s) 20°C/68°F
VOC content:	424 g/l [3.5 lbs/US gallon] <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:

<b>Version, mixed product:</b>	<b>47150</b>
Mixing ratio:	BASE 47159: CURING AGENT 97432 3 : 1 by volume
Application method:	Airless spray / Brush/Roller
Thinner (max.vol.):	08450 (10%) / 08450 (10%) / 08450 (10%)
Pot life (Airless spray):	5 hour(s) 20°C/68°F
Pot life (Brush):	8 hour(s) 20°C/68°F (same for roller)
Nozzle orifice:	0.018 - 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:	75 micron [3 mils] see REMARKS overleaf
Indicated film thickness, wet:	140 micron [5.6 mils]
Overcoat interval, min:	see REMARKS overleaf
Overcoat 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 Safety Data Sheets and follow all local or national safety regulations.



**HEMPADUR OBM 47150**

**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 minimum Sa 2½ (ISO 8501-1: 2007) with a surface profile corresponding to Rugotest No. 3, N9a to N10, preferably BN9a to BN10, Keane-Tator Comparator, 2.0 G/S or ISO Comparator, Medium (G). 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.

**Repair and maintenance:** Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Feather edges to sound and intact areas. Dust off residues. Touch up bare spots with: specified HEMPADUR paint

**APPLICATION CONDITIONS:**

Use only where application and curing can proceed at temperatures above:0°C/32°F The temperature of the surface and that of the paint itself must also be above this limit.

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.

**PRECEDING COAT:**

None, or as per specification.

**SUBSEQUENT COAT:**

None, or as per specification. Recommended systems are: HEMPATHANE

**REMARKS:**

**VOC - EU Directive 2004/42/EC:**

Product	As supplied	5 vol. % thinning	Limit phase II, 2010
4715011480	424 g/l	445 g/l	500 g/l

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

**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.

**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 overcoating interval. Normal range is: 50-125 micron/2-5 mils

**Overcoating:**

Overcoating intervals related to later conditions of exposure: If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion. Before overcoating after exposure in contaminated environment, clean the surface thoroughly with high pressure fresh water hosing and allow drying.

A specification supersedes any guideline overcoat intervals indicated in the table.

Environment	Atmospheric, medium					
	0°C (32°F)		10°C (50°F)		20°C (68°F)	
	Min	Max	Min	Max	Min	Max
HEMPADUR	36 h	Ext.	16 h	Ext.	8 h	Ext.
HEMPATHANE	36 h	45 d	16 h	20 d	8 h	10 d
Environment	Immersion					
HEMPADUR	54 h	90 d	24 h	60 d	12 h	30 d

NR = Not Recommended, Ext. = Extended, m = minute(s), h = hour(s), d = day(s)

**Note:**

**HEMPADUR OBM 47150 For professional use only.**

**ISSUED BY:**

HEMPEL A/S  
4715011480

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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