

# HEMPATEX\* HI-BUILD 4637<sub>0</sub>

**Description:** HEMPATEX HI-BUILD 4637 is a physically drying high build paint with optimum colour retention. Based on acrylic resin and chlorinated plasticizer. Resistant to wear, impact, salt water, mineral oils, splashes of aliphatic solvents, animal and vegetable oils. For service temperature range, see REMARKS overleaf.

**Recommended use:**

1. As an exterior finishing coat on containers.
2. As an intermediate or finishing coat in HEMPATEX systems in moderately to severely corrosive environment.

**Service temperatures:** Maximum, dry: 80°C/175°F.

**Availability:** Normally available on orders for container newbuildings only.

## PHYSICAL CONSTANTS:

Colours/Shade Nos:	White/10000*	Grey/11480*
Finish:	Semi-flat	Semi-flat
Volume solids:	42%	41%
Theoretical spreading rate:	4.9 m <sup>2</sup> /litre - 85 micron 198 sq.ft./US gallon - 3.4 mils	4.8 m <sup>2</sup> /litre - 85 micron 193 sq.ft./US gallon - 3.4 mils
Flash point:	23°C/73°F	23°C/73°F
Specific gravity:	1.2 kg/litre - 10.0 lbs/US gallon	1.2 kg/litre - 10.0 lbs/US gallon
Surface dry:	½ (approx.) hr at 20°C/68°F (ISO 1517)	½ (approx) hr at 20°C/68°F (ISO 1517)
Dry to touch:	4 (approx.) hours at 20°C/68°F	4 (approx.) hours at 20°C/68°F
V.O.C.:	533 g/litre - 4.5 lbs/US gallon	536 g/litre - 4.5 lbs/US gallon

*\*Concerning other shades, reference is made to HEMPEL'S CONTAINER COLOUR CARD.*

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

## APPLICATION DETAILS:

Application method:	Airless spray	Air spray	Brush
Thinner (max. vol.):	0808 (5%)	0808 (15%)	0808 (5%)
Nozzle orifice:	.017"-.021"		
Nozzle pressure:	150 bar/2200 psi (Airless spray data are indicative and subject to adjustment)		
Cleaning of tools:	THINNER 0808		
Indicated film thickness, dry:	85 micron/3.4 mils (See REMARKS overleaf)		
Indicated film thickness, wet:	200 micron/8 mils		
Recoat interval, min:	4 hours (20°C/68°F) (See REMARKS overleaf)		
Recoat interval, max:	None (See REMARKS overleaf)		

Issued: March 1998

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SURFACE PREPARATION:	<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. Followed by:</p> <p><b>For steel:</b> Remove all rust and loose material by abrasive blasting or power tool cleaning. Dust off residues. Touch up bare spots with e.g. suitable primer followed by HEMPATEX HI-BUILD 4637 to full film thickness.</p> <p><b>For other metals, concrete:</b> Reference is made to the corresponding painting specification and to the Product Data Sheet for the primer/sealer.</p>
APPLICATION CONDITIONS:	<p>As dictated by normal good painting practice.</p> <p>In confined spaces provide adequate ventilation during application and drying.</p>
PRECEDING COAT:	HEMPADUR ZINC 1536, HEMPADUR PRIMER 1530 or according to specification.
SUBSEQUENT COAT:	None, HEMPATEX ENAMEL 5636, or as per specification depending on area of use.
REMARKS:	
Colours:	<p>Certain lead-free red and yellow colours may discolour when exposed to sulphide and chlorine-containing atmosphere.</p> <p>As HEMPATEX HI-BUILD 4637 is a thermoplastic product, prolonged mechanical exposure at temperatures above approx. 40°C/104°F may cause film indentation. When temperature drops below, mechanical strength is recovered.</p>
Film thicknesses:	<p>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. Normal range is 75-100 microns/3-4 mils.</p> <p>For multicoat application drying time and minimum recoat interval are influenced by the actual film thickness and number of coats applied. Reference is made to the corresponding painting specification.</p> <p>No maximum recoating interval, but before recoating after exposure in contaminated environment, clean the surface thoroughly by high pressure fresh water hosing and allow to dry.</p>
Note:	<b>HEMPATEX HI-BUILD 4637 is for professional use only.</b>
SAFETY:	<p>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 applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.</p>

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.

Issued by HEMPEL'S MARINE PAINTS A/S.

\*This is a corporate trademark of the Hempel Group.

March 1998 - 4637010000CO015