

# HEMPATEX\* 56430

<b>Description:</b>	HEMPATEX 5643 is a physically drying paint with optimum colour retention. Based on acrylic resin alkyd and non-chlorinated plasticizer. Resistant to wear, impact, salt water, mineral oils, splashes of aliphatic solvents, animal and vegetable oils. For service temperature range, see below.
<b>Recommended use:</b>	1. As an exterior finishing coat on containers. 2. As a finishing coat in HEMPATEX systems in moderately to severely corrosive environment.
<b>Service temperatures:</b>	Maximum, dry: 80°C/175°F ( <i>see REMARKS overleaf</i> ).
<b>Availability:</b>	Normally available on orders for container newbuildings only.

## PHYSICAL CONSTANTS:

Colours/Shade nos:	Orange/54406*
Finish:	Flat
Volume solids:	38%
Theoretical spreading rate:	9.5 m <sup>2</sup> /litre - 40 micron 381 sq.ft./US gallon - 1.6 mils
Flash point:	24°C/75°F
Specific gravity:	1.3 kg/litre 10.8 lbs/US gallon
Surface dry:	15 (approx.) minutes at 20°C/68°F (ISO 1517)
Dry to touch:	1 (approx.) hour at 20°C/68°F
V.O.C.	544 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 ( <i>Airless spray data are indicative and subject to adjustment</i> )		
Cleaning of tools:	THINNER 0808		
Indicated film thickness, dry:	40 micron/1.6 mils ( <i>See REMARKS overleaf</i> )		
Indicated film thickness, wet:	100 micron/4 mils		
Recoat interval, min:	1 hour (20°C/68°F) ( <i>See REMARKS overleaf</i> )		
Recoat interval, max:	none ( <i>See REMARKS overleaf</i> )		

## 2. HEMPATEX 56430

APPLICATION CONDITIONS:	The surface must be completely clean and dry, its temperature must be above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.
PRECEDING COAT:	HEMPADUR PRIMER 1530, HEMPATEX HI-BUILD 4641 or according to specification.
SUBSEQUENT COAT:	None, or as per specification depending on area of use.
REMARKS:	
Colours:	Certain lead-free red and yellow colours may discolour when exposed to sulphide and chlorine-containing atmosphere.
Film thicknesses:	As HEMPATEX 5643 is a thermoplastic product, prolonged mechanical exposure at temperatures above approx. 40°C/104°F may cause film indentation. When temperature drops below, the mechanical strength is recovered. May be specified in another film thickness than indicated depending on purpose and area of use. Normal range is 30-50 micron/1.6-2 mils. This will alter spreading rate and may influence drying time and recoat interval. A series of maintenance jobs may result in build up of a too high total film thickness which may cause blister formation due to "entrapped" solvents. As each coat may also retain solvents, it is generally recommended <b>not</b> to apply HEMPATEX HI-BUILD 5643 in excessive film thickness. For multicoat application minimum recoat interval is influenced by the actual film thickness and number of coats applied. Reference is made to the corresponding painting specification. No maximum recoat interval, but before recoating after exposure in contaminated environment, clean the surface thoroughly by high pressure fresh water hosing and allow to dry.
Note:	<b>HEMPATEX HI-BUILD 5643 is for professional use only.</b>
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 applying paint in confined spaces or when the air is stagnant. Always take precautions against the risks of fire and explosions.

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 - 5643054406CS001