



Product Data Sheet



Hempaspeed TF

Product characteristics

Description

Hempaspeed TF is for use as a high performance, hard biocide-free, thin-film coating. Forms an ultra-smooth surface that minimizes growth and reduces drag.

Recommended use

Hempaspeed TF is for use as an antifouling for boats of glass fibre, steel and aluminium. Suitable for pleasure boats and racing / regatta boats. Ideal for both fresh and salt water use.

Features

- Easy to clean.
- No run-off contamination.

Product safety

Flash point 38°C [100°F]

VOC content

Legislation	Value
EU	514 g/L [4.29 lb/US gal]

VOC values may vary with shade, please consult the Safety Data Sheet, section 9.

Handling

Handle with care. Before and during use, observe safety labels on packaging and paint containers and follow all local and national safety regulations. Always consult Hempel's Safety Data Sheet for this product along with the Product Data Sheet.

Product data

Product code

77222

Standard shade* / code

Dark blue 30390

Gloss

Glossy

Volume solids

42 ± 2%

Specific gravity

1 kg/L [8 lb/US gal]

Reference dry film thickness

40 micron [1.6 mils]

Surface preparation

Cleanliness

- Remove salts, detergents, contaminants and marine growth by high pressure fresh water cleaning.

New build:

- Not for uncoated surfaces.
- Uncoated surface: Prepare bare substrates according to Hempel's primer instruction.

Maintenance and Repair

- Existing old self-polishing or traditional antifouling: Remove loose matter and contaminants by high pressure fresh water cleaning.
- Existing old hard matrix antifouling or an unknown antifouling: High pressure fresh water clean, wet abrade, remove dust.
- Clean and dry the surface.
- If previous antifouling is in general bad condition, it is recommended to remove previous coats and prime before applying antifouling.
- Only apply Hempaspeed TF over Hempel's Conversion Primer.

* There might be a slight difference in colour from batch to batch. Mix before painting.



Product Data Sheet



Hempaspeed TF

Application

Cleaner

Hempel's Thinner 808 08081

Application method

Tool	Thinning max vol.	Application parameters
Brush/Roller	5%	Not Applicable.

Keep thinning at an absolute minimum.

Film thickness

	Recommended
Dry film thickness	40 micron [1.6 mils]
Wet film thickness	100 micron [3.5 mils]
Theoretical spreading rate	11 m ² /L [450 sq ft/US gal]

Relative Humidity:

- Relative humidity must be below 85% during application.

Application remarks

- Follow stated overcoating intervals between the primer and product to ensure intercoat adhesion.
- Apply a minimum of 2 coats of the product. For best performance apply 3 coats of the product.
- Stir well before use.

Drying and overcoating

Product compatibility

- Previous coat: Recommended product is: Hempel's Conversion Primer 45441 / Hempel's Silic Seal 45441
- Subsequent coat: None.

Drying time

Surface temperature		5°C [41°F]	10°C [50°F]	20°C [68°F]	30°C [86°F]
Touch dry	min	45	30	15	9
Surface dry	hours	12	8	4	3

Determined for dry film thickness 40 micron [1.6 mils] at standard conditions, see Hempel's Explanatory Notes for details. Time to immersion: Minimum: 24 Hours 20°C ; Maximum 3 months

Overcoating

Hempel's specification supersedes any guidelines indicated in the overcoating table

Quality name	10°C [50°F]	20°C [68°F]	30°C [86°F]
Immersion			
Hempaspeed TF	8 h Ext*	4 h Ext	3 h Ext

Drying conditions

- To obtain the drying time stated, it is important to maintain sufficient ventilation during application, drying and curing.
- Condensation on the freshly applied coating should be avoided.

Overcoating details

- No maximum overcoating interval, but if the surface has been contaminated by oils and pollutants, thoroughly remove with suitable detergent, rinse with fresh water and allow to dry. Light abrade and remove all dust prior to repainting.

Other remarks

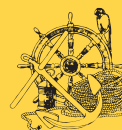
- The surface must be clean before overcoating.

Storage

Shelf life

Ambient temperature	25°C [77°F]
Product	36 months

Shelf life from date of production, when stored in original, unopened containers. Thereafter, the product quality must be re-inspected. Always check the best before date or expiry date on the label.



Product Data Sheet



Hempaspeed TF

Storage conditions

- Temperature must not go below 5°C [41°F] during transport and storage.

Additional documents

Additional information is available at the Hempel website hempel.com or at your local Hempel website:

- Explanatory Notes explaining the fields in this Product Data Sheet.
- Surface Preparation Guidelines.
- Application Guidelines for different application methods.
- Further information: Hempel Yacht Paint Manual and hempelyacht.com

Additional Certifications and Standards

Hempaspeed TF is a biocide-free coating that complies with the requirements to antifouling systems as stated in the IMO Convention on the Control of Harmful Antifouling Systems on Ships (AFS/CONF/26), adopted 5 October 2001 in London

This Product Data Sheet ("PDS") relates to the supplied product ("Product") and is subject to updating from time-to-time. Accordingly, the buyer/applicator should have regard to the PDS supplied together with the relevant batch of the Product (and not an earlier version). In addition to the PDS, the buyer/applicator may receive some or all of the following specifications, statements and/or guidelines as listed below or as are available from the Hempel website under 'Products' at www.hempel.com (the "Additional documents"):

No.	Document description	Location/comments
1.	Technical Statement	One-off specific advice provided on request for specific projects
2.	Specification	Only issued for specific projects
3.	PDS	This document
4.	Explanatory Notes to the PDS	Available at www.hempel.com and contain relevant information about the Product testing parameters
5.	Application Instruction	Where available, at www.hempel.com
6.	Generic technical guidelines (e.g. on application and surface preparation)	Where available, at www.hempel.com

In the event of a conflict of information between the PDS and the Additional documents, the order of priority of information shall be in the order as set out above. In such event you should also contact your representative at Hempel for clarification. Furthermore, the buyer/applicator must have full regard to the relevant Safety Data Sheet provided with each Product and which can also be downloaded from www.hempel.com.

Hempel shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements set out in the relevant PDS and the Additional Documents. The information and terms of this disclaimer apply to this PDS, the Additional documents and any other documents supplied by Hempel in respect of the Product. In addition, the Product is supplied and all technical assistance is given subject to Hempel's General Conditions of Sale, Delivery and Service, unless otherwise expressly agreed in writing.