

Description: Hempel's Silic One Tiecoat 27450 is a high solid, silicone based humidity curing tiecoat for Hempel's Silic One 77450. Secures adhesion between Hempel's Light Primer 45551 or Hempel's Silic Seal 45441 and Hempel's Silic One 77450.

Recommended use: As a fouling release system for boats of glass fibre, steel, aluminium and plywood. For use below the waterline.

Availability: Part of European Yacht assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Shade nos/Colours: 23410/ Yellow.
Finish: Semi-gloss
Volume solids, %: 67 ± 1
Theoretical spreading rate: 10 m²/l [401 sq.ft./US gallon] - 67 micron/ 2.7 mils
Flash point: 31 °C [87.8 °F]
Specific gravity: 1.2 kg/litre [10.1 lbs/US gallon]
Dry to touch: 3 hour(s) , 20°C/68°F
5 hour(s) , 10°C/50°F
Fully cured: 2 day(s) , 20°C/68°F
VOC content: 233 g/l [1.9 lbs/US gallon]
Shelf life: 1.5 years 25°C/77°F (from date on lid)

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.

APPLICATION DETAILS:

Application method: Brush/Roller
Thinner (max.vol.): Do not dilute.
Pot life: 1 hour after opening the can.
Cleaning of tools: HEMPEL'S THINNER 808 (No 3) 08081
Indicated film thickness, dry: 67 micron [2.7 mils]
Indicated film thickness, wet: 100 micron [4 mils]

Safety: 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.

Product Data

Hempel's Silic One Tiecoat 27450



SURFACE PREPARATION:	<p>Preparation: Ensure all surfaces are clean, oil free and dry. Clean the surface and remove possible oil and grease with a suitable detergent and sand with dry abrasive paper. Carefully remove dust with fresh water.</p> <p>Uncoated surface: Apply 4 - 5 coats (300 µm) Hempel's Light Primer 45551. Aluminium hulls: Apply 2 coats Hempel's Light Primer 45551. If the surface is already primed with a two component primer, abrade and apply 1 coat of Hempel's Light Primer 45551.</p> <p>Existing old antifouling: Surfaces in good condition: Apply one coat of Hempel's Silic Seal 45441.</p> <p>Deteriorated surfaces: Remove old antifouling down to the existing two component primer. Abrade, clean and dry the surface. Apply one coat of Hempel's Light Primer 45551.</p>
PRODUCT APPLICATION:	<p>Method: Apply one coat of Hempel's Silic One Tiecoat 27450. Tiecoat application onto Hempel's Light Primer 45551/Hempel's Silic Seal 45441 is a maximum 4 hours / minimum of 2 hours at 20°C ; maximum 8 hours / minimum 4 hours at 10°C. Pour paint into paint tray and replace lid. Fully load roller/brush with paint and apply with soft easy strokes to ensure complete coverage. Paint runs can be evened out before the paint dries.</p> <p>Maintenance: If the yellow tiecoat is visible and may be damaged (>5cm): Carefully remove all loose coating. Clean the damaged area with Boat Shampoo, rinse with fresh water and allow to dry. Apply one coat of Silic One Tiecoat onto a slightly larger area than the damaged surface. Apply one coat of Silic One onto a slightly larger area than the previously applied Silic One Tiecoat. Apply one coat of Silic One to entire underwater surface. For larger and deeper damage refer to the Repair Section in the Silic One System brochure, The Hempel Paint Manual or hempelyacht.com.</p> <p>If the overcoating interval is exceeded between Hempel's Light Primer 45551 / Hempel's Silic Seal 45441 and Hempel's Silic One Tiecoat 27450, then a new coat of the primer must be applied.</p>
APPLICATION CONDITIONS :	<p>Use only where application and curing can proceed at temperatures above: 10°C/50°F. The surface must be completely clean and dry at the time of application and its temperature must be above the dew point to avoid condensation. Do not apply in direct sunlight. In confined spaces provide adequate ventilation during application and drying. The paint is sensitive to humidity. Do not open the can until just before application.</p>
RECOMMENDED DETERGENT :	HEMPEL'S PRE-CLEAN 67602
PRECEDING COAT:	HEMPEL'S LIGHT PRIMER 45551 or HEMPEL'S SILIC SEAL 45441.
SUBSEQUENT COAT:	HEMPEL'S SILIC ONE 77450.
REMARKS:	<p>If the existing primer is a non-epoxy primer or a one component primer, then the primer must be removed, and the surface must be primed with 4 coats of Hempel's Light Primer 45551. (A one component primer cannot be overcoated with a two component primer).</p> <p>It is of utmost importance that thorough protection and cleaning procedures are followed before and after the application. After application clean all equipment very thoroughly.</p>
Stirring:	Stir product well before use..
Storage Conditions:	Exposure to air and temperature variances should be avoided. Avoid direct sunlight. Keep containers tightly sealed. Store at temperatures: 5°C/41°F - 35°C/95°F.
Overcoating:	Silic One Tiecoat 27450 / Silic One Tiecoat 27450 : Not relevant
Note:	Hempel's Silic One Tiecoat 27450
ISSUED BY:	HEMPEL A/S

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This Product Data Sheet supersedes those previously issued.
For explanations, definitions and scope, see "Explanatory Notes" available on 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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