



Product Data

HEMPEL'S SILIC ONE TIECOAT 27450

Description: HEMPEL'S SILIC ONE TIECOAT 27450 is a high solid, one component, silicone based humidity curing tiecoat for HEMPEL'S SILIC ONE 77450.

Recommended use: As a tiecoat for HEMPEL'S SILIC ONE 77450 and as touch-up and repair of damaged areas, securing adhesion between HEMPEL'S LIGHT PRIMER 45551 and HEMPEL'S SILIC ONE 77450. For boats of glassfibre, steel, ferro-cement and aluminium.

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

PHYSICAL CONSTANTS:

Colours/Shade nos.:	23410 / Yellow
Finish:	Semi Gloss
Volume solids, %:	66 ± 1
Theoretical spreading rate:	10m ² /litre – 70 micron 243 sq.ft./US gallon – 2.8 mils
Flash point:	33°C - 91°F
Specific gravity:	1.2 kg/litre - 10 lbs/US gallon
Dry to touch:	3 hours at 20°C/68°F 5 hours at 10°C/50°F
Fully cured:	2 days at 20°C/ 68°F
V.O.C.:	287g/litre – 2.4 lbs/US gallon
Shelflife:	1 year – depending on storage conditions, mechanical stirring may be necessary before usage.

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas. They are subject to normal manufacturing tolerances and where stated, being standard deviation according to ISO 3534-1.

APPLICATION DETAILS:

Application method:	Roller / Brush
Thinner (max.vol.):	Do not thin.
Pot life:	1 hour after opening the can.
Cleaning of tools:	HEMPEL'S THINNER 08081
Indicated film thickness, dry:	70 micron
Indicated film thickness, wet:	100 micron
Recoat interval, min:	4 hours (20°C/68°F) 6 hours (10°C/50°F)
Recoat interval, max:	72 hours (20°C/68°F) 72 hours (10°C/50°F)

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. Avoid inhalation, avoid contact with skin and eyes, and do not swallow. Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only in well ventilated areas.



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SURFACE

PREPARATION:

New surface: Clean the surface with HEMPEL'S PRE-CLEAN 67602. Sand with dry abrasive paper (P120) and remove dust carefully with water. If the surface is not primed, apply 4 coats of HEMPEL'S LIGHT PRIMER 45551. If the surface is already primed with a two component primer, abrade and apply one coat of HEMPEL'S LIGHT PRIMER 45551 before applying one coat of HEMPEL'S SILIC ONE TIECOAT 27450 to ensure adhesion.

Existing old antifouling: Remove old antifouling down to the existing two component primer. Clean the surface and remove possible oil and grease with HEMPEL'S PRE-CLEAN 67602. Sand with dry abrasive paper (P120) and carefully remove dust with fresh water. Allow the surface to dry and apply one coat of HEMPEL'S LIGHT PRIMER 45551 followed by one coat of HEMPEL'S SILIC ONE TIECOAT 27450.

Maintenance, old Silicone system: Spot repair with HEMPEL'S SILIC ONE TIECOAT 27450. If needed apply one coat of HEMPEL'S LIGHT PRIMER 45551, before applying one coat of HEMPEL'S SILIC ONE TIECOAT 27450.

APPLICATION

CONDITIONS:

Use only where application and curing can proceed at temperatures above 10°C. The temperature of the surface and that of the paint must be above 10°C. 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. The paint is sensitive to humidity, do not open the can until just before application.

PRECEDING COAT: Recommended system is: HEMPEL'S LIGHT PRIMER 45551.

SUBSEQUENT COAT: Recommended system is: HEMPEL'S SILIC ONE 77450 .

REMARKS:

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).

It is of the utmost importance that thorough protection and cleaning procedures are followed before and after application respectively. **After** application clean all equipment very thoroughly.

Cleaning of tools:

Very thorough cleaning with HEMPEL'S THINNER 08081.

DISPOSE OF CLEANING SOLVENTS AFTER USE. DO NOT RE-USE SOLVENTS AFTER CLEANING.

Storage Conditions:

Must be stored under absolutely dry conditions, and protected against seeping humidity.

Note:

HEMPEL'S SILIC ONE TIECOAT 27450 is for commercial use only.

ISSUED BY:

HEMPEL A/S – 2745023410

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" in the HEMPEL Book.

Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled 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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Product data are subject to change without notice and become void five years from the date of issue.