



HEMPASIL 77500

FOULING RELEASE COATING 77500: BASE 77509 : HEMPASIL CROSSLINKER 97080

Description:

HEMPASIL 77500 is a biocide free, two-component, silicone fouling release coating with a high solids content. The product is based on silicone and cures after addition of HEMPASIL CROSSLINKER 97080.

It provides a smooth, low surface energy, hydrophobic surface with special surface release properties whereby fouling settlement is minimised. The coating may foul under static conditions (idle periods).

This product does not contain organotin compounds acting as biocides and complies with the International Convention on the Control of Harmful Antifouling Systems on Ships as adopted by IMO October 2001 (IMO document AFS/CONF/26).

Recommended use:

As a fouling release coating for deep sea, high activity scheduled vessels with service speed in the 15-30-knot range, eg container vessels, ferries, cruise liners, LNG/LPG carriers, vehicle carriers etc.

Availability:

Part of Group Assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Shade nos/Colours:	59151* / Red
Finish:	Glossy
Volume solids, %:	69 ± 1
Theoretical spreading rate:	4.6 m ² /l [184.5 sq.ft./US gallon] to 150 micron/6 mils
Flash point:	28 °C [82.4 °F]
Specific gravity:	1 kg/litre [8.3 lbs/US gallon]
Dry to touch:	3 hour(s) 20°C/68°F
Fully cured:	7 day(s) 20°C/68°F
VOC content:	283 g/l [2.3 lbs/US gallon]
Shelf life:	1.5 year (25°C/77°F) for BASE and 1 year for CROSSLINKER (25°C/77°F) from time of production. Depending on storage conditions, mechanical stirring may be necessary before usage.

**other shades according to assortment list.*

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

APPLICATION DETAILS:

Version, mixed product:

77500

Mixing ratio:

BASE 77509 : HEMPASIL CROSSLINKER 97080

7 : 1 by volume

Application method:

Airless spray / Brush see REMARKS overleaf

Thinner (max.vol.):

No thinning see REMARKS overleaf

Pot life:

2 hour(s) 20°C/68°F after addition of HEMPASIL CROSSLINKER

Nozzle orifice:

0.019 to 0.021 "

Nozzle pressure:

150 bar [2175 psi]

(Airless spray data are indicative and subject to adjustment)

Cleaning of tools:

HEMPEL'S THINNER 08080

Indicated film thickness, dry:

150 micron [6 mils]

Indicated film thickness, wet:

225 micron [9 mils]

Recoat interval, min:

According to specification.

Recoat interval, max:

According to specification.

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.



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APPLICATION CONDITIONS:	Use only where application can proceed at temperatures above: 5°C/41°F. The temperature of the surface and that of the paint itself must also be above this limit. Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Minimum relative humidity: 30%, Maximum relative humidity: 85%. The special application properties furthermore necessitate extra consideration as to possible windy weather. The on-site representative from Hempel is to be consulted. In confined spaces provide adequate ventilation during application and drying.
PRECEDING COAT	According to specification. Recommended systems are: HEMPASIL NEXUS 27302
SUBSEQUENT COAT:	None.
REMARKS:	It is of the utmost importance that thorough protection and cleaning procedures are followed before and after application respectively. It is advisable to apply HEMPASIL SYSTEM after all other exterior painting is complete. This is to avoid silicone contamination of other painted surfaces. Before application cover all surfaces surrounding the areas to be applied with plastic sheeting to avoid overspray. After application clean all equipment very thoroughly.
Application(s)	A well executed spray application is necessary. This paint material has special application properties and it is recommended first to make a small-scale application to get familiar with the properties.
Film thicknesses/thinning:	Not recommended In exceptional cases use THINNER 08080 (max 5 vol%)
Cleaning of tools:	Very thorough cleaning with THINNER 08080 is necessary. DISPOSE OF CLEANING SOLVENTS AFTER USE. DO NOT RE-USE SOLVENTS AFTER CLEANING.
Storage Conditions:	Must be stored under absolutely dry conditions, protect against seeping humidity.
Undocking:	Minimum: 24 hour(s)
Recoating note:	One coat normally recommended.
Note:	HEMPASIL 77500 For professional use only.
ISSUED BY:	HEMPEL A/S

7750059151

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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