



Product Data

HEMPASIL NEXUS 27302

FOULING RELEASE TIECOAT

BASE 27309 with CURING AGENT 98100 and ADDITIVE 99700/ADDITIVE 99701

Description: HEMPASIL NEXUS 27302 is a high solid three component silicone based product.

Recommended use: As a tiecoat for the HEMPASIL FOULING RELEASE System, securing adhesion between the anticorrosive system and the Hempasil Fouling Release topcoat.

Availability: Part of Group Assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Colour/Shade nos: Light red 55001 - Black/19990 - Grey/13200
Finish: Semi-gloss
Volume solids, %: 70 (see REMARKS overleaf)
Theoretical spreading rate: 5.8 m²/litre - 120 micron
234 sq.ft./US gallon - 4.8 mils
Flash point: 30°C/86°F
Specific gravity: 1.3 kg/litre - 10.8 lbs/US gallon
Dry to touch: 2 hours at 20°C/68°F
Fully cured: 7 days at 20°C/68°F
V.O.C.: 265 g/litre - 2.3 lbs/US gallon
Shelf life: 1 year (25°C/77°F) from time of production. Depending on storage conditions, mechanical stirring may be necessary before usage.
If the shelf life is exceeded please contact HEMPEL for further advice.

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:

Mixing ratio:
Shade 55001:
Base 27309: Curing Agent 98100: Additive 99701
14,8 : 4,2 : 1 by volume (See REMARKS overleaf)
Shade 19990 and 13200:
Base 27309: Curing Agent 98100: Additive 99700
13,8 : 4,2 : 2 by volume (See REMARKS overleaf)
Application method: Airless spray Brush/roller (touch-up) (see REMARKS overleaf)
Thinner: No thinning (see REMARKS overleaf)
Nozzle orifice: .019"-.021"
Nozzle pressure: 150 bar/2200 psi
(Airless spray data are indicative and subject to adjustment)
Cleaning of tools: THINNER 08080 (see REMARKS overleaf)
"Pot life": 1 hour (20°C/68°F) (see REMARKS overleaf)
Indicated film thickness, dry: 120 micron/4.8 mils
Indicated film thickness, wet: 175 micron/7 mils
Recoat interval, min: 6 hours (20°C/68°F) (see REMARKS overleaf)
Recoat interval, max: 24 hours (20°C/68°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:	<p>New construction: According to painting specification/product data sheet for the specified HEMPADUR system.</p> <p>Maintenance, non-F/R systems: This is feasible provided the general condition of the old paint system is good and very thorough cleaning is carried out. Spot repair is to be carried out with specified HEMPADUR system. A "bridge coating" is subsequently used as full coat before application of HEMPASIL NEXUS 27302.</p> <p>Maintenance, old F/R systems: Possible spot repair with specified HEMPADUR system followed by spot application of HEMPASIL NEXUS 27302.</p> <p>In any of the above-mentioned cases, a detailed working specification is available upon request.</p>
APPLICATION CONDITIONS:	Use only where application can proceed at temperatures above 10°C/50°F. The temperature of the surface and that of the paint itself must also be above this limit. Apply only on a surface with a temperature above the dew point to avoid condensation. The surface should be clean and dry. In confined spaces provide adequate ventilation during application and drying.
PRECEDING COAT:	HEMPADUR according to specification.
SUBSEQUENT COAT:	HEMPASIL FOULING RELEASE COATING according to specification.
REMARKS:	<p>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.</p> <p>Before application cover all surfaces surrounding the areas to be applied with plastic sheeting to avoid overspray. After application clean all equipment thoroughly, before re-using equipment. See below.</p>
Volume solids:	The stated value is the theoretical volume solids: solid content of the mixed product. Due to the chemical reaction in the mixture the practical volume solid will be approx. 5% lower than indicated.
Mixing:	Add ADDITIVE 99700 to BASE 27309 while stirring. Immediately after add CURING AGENT 98100 and mix.
"Pot life":	The pot life is 1 hour at 20°C/68°F. No change in the paints physical properties (e.g. viscosity increase) is apparent when this time is exceeded. It is important that the paint is no longer used as its adhesion properties to the preceding coat are dramatically reduced after that time.
Application method:	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.
Thinning:	Not recommended. In exceptional cases use THINNER 08080 (max 5 vol.%).
Recoating by itself:	HEMPASIL NEXUS 27302 must be applied in one coat. In case HEMPASIL NEXUS 27302 has to be recoated by itself, application must be wet in wet.
Weather conditions:	Please refer to application manual.
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 of cans:	Must be stored under absolutely dry conditions, protect against seeping humidity.
Note:	HEMPASIL NEXUS 27302 is for professional use only.
ISSUED BY:	HEMPEL A/S - 2730255001CR001

This Product Data Sheet supersedes those previously issued.

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

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Product data are subject to change without notice and become void five years from the date of issue.