



HEMPADUR SEALER 05991

05991: BASE 05999: CURING AGENT 95040

Description: HEMPADUR SEALER 599 is a two-component epoxy-polyamide varnish with low viscosity and good penetration ability.

Recommended use: For saturation of glass fibre laminate, when gel coat has been removed (repair of osmosis damage). For priming of ferro-cement boats and boats of wood that can absorb the sealer.

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

PHYSICAL CONSTANTS:

Shade nos/Colours: 00000/ Transparent
Volume solids, %: 29 ± 1
Theoretical spreading rate: see REMARKS below
Flash point: 25 °C [77 °F]
Specific gravity: 0.9 kg/litre [7.8 lbs/US gallon]
Dry to touch: 3 - 4 approx. hour(s) 20°C/68°F or 6-8 hours at 10°C/50°F
Fully cured: 7 day(s) at 20°C/68°F or 14 day(s) at 10°C/50°F
VOC content: 609 g/l [5.1 lbs/US gallon]

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

APPLICATION DETAILS:

Version, mixed product: 05991
Mixing ratio: BASE 05999: CURING AGENT 95040
4:1 by volume
Application method: Brush
Thinner (max.vol.): HEMPEL'S THINNER 08450 (5%)
Pot life: 8 approx. hour(s) 20°C/68°F
Cleaning of tools: HEMPEL'S DEGREASER 99611 or HEMPEL'S THINNER 08451
Indicated film thickness, wet: The sealer must penetrate into the substrate, saturate and seal porous material, and not leave a glossy surface film.
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.

SURFACE PREPARATION: **Glass fibre:** All loose/defect gel coat must be removed and any absorbed moisture must have evaporated before applying the product.
Ferro-cement: Any loose surface layer (e.g. laitance) must be removed by sanding or abrasive sweeping. The moisture content of the concrete must be below 3%.
Wood: The wood must be completely dry, moisture content below 16%, and should not be primed with any ordinary priming oils or commercial antimould fluids. The wood must be capable of absorbing the sealer completely.

APPLICATION CONDITIONS: 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. Use only where application and curing can proceed at temperatures above: 10°C/50°F. The temperature of the surface and that of the sealer itself must also be above this limit. Brush is recommended to ensure the sealer being worked into the substrate. Absorbing surfaces must be treated several times until saturation. In any case a glossy surface must not appear and such a surplus of the product must be removed by sanding before painting takes place. In confined spaces provide adequate ventilation during application and drying.

SUBSEQUENT COAT: According to specification. Recommended systems are: HEMPEL'S LIGHT PRIMER 45551

REMARKS:

Application(s) The product is used for saturation of absorbent material. For practical purposes, approx. 10 m²/litre (410 sq.ft./US gallon) is indicated depending on surface roughness, porosity of the surface and application method.
When mixing add the curing agent to the base while stirring. Let the mixture react for 15 minutes before use. Only the mixture must be diluted.

Recoating intervals: No maximum recoating interval demands a flat surface with no surplus of the product. Otherwise sanding is necessary.

Note: **HEMPADUR SEALER 05991** 059910000
The information given in the Product Data Sheet is intended for commercial use.

ISSUED BY: HEMPEL A/S

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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