

05991: BASE 05999: CURING AGENT 95040

Description: HEMPEL'S SEALER 05991 is a two-component, low viscosity epoxy sealer with good penetration properties. Ideal as a sealer for porous substrates.

Recommended use: For use on wood and plywood. For saturation of glass fibre laminate, when gel coat has been removed (repair of osmosis damage). For interior and exterior use both above and below the waterline.

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: 10 m²/l [401 sq.ft./US gallon] depending on porosity

Flash point: 25 °C [77 °F]

Specific gravity: 0.9 kg/litre [7.8 lbs/US gallon]

Dry to touch: 4 hour(s) 20 micron/0.8 mils
8 hour(s) 10°C/50°F

Dry to sand: 24 hour(s) 20°C/68°F
48 hour(s) 10°C/50°F

Fully cured: 7 day(s) 20°C/68°F or 14 day(s) 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. Stir the Base, add Curing Agent and mix well. Allow mixed paint to rest for several minutes before use to allow air bubbles to escape. Only the mixture must be diluted.

Application method: Brush

Thinner (max.vol.): HEMPEL'S THINNER 845 (No 5) 08451

Pot life: 8 hour(s) 20°C/68°F
16 hour(s) 10°C/50°F

Cleaning of tools: HEMPEL'S THINNER 845 (No 5) 08451

Indicated film thickness, dry: Not relevant

Indicated film thickness, wet: Not relevant

Overcoat interval, min: 4 hour(s) 20 micron/0.8 mils
8 hour(s) 10°C/50°F

Overcoat interval, max: None

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:	Preparation: Always 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. Wood and plywood: 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. Glass fibre: All loose/defect gel coat must be removed and any absorbed moisture must have evaporated before applying the product.
PRODUCT APPLICATION:	Method: Apply 1 coat of the product. The sealer must penetrate into the substrate, saturate and seal porous material, and not leave a glossy surface film. Any surplus product should be removed with clean cloths to avoid a glossy film after drying Add thinner to assist application if necessary.
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. The moisture content in the wood should not exceed: 16%. Do not apply in direct sunlight. In confined spaces provide adequate ventilation during application and drying.
RECOMMENDED DETERGENT :	HEMPEL'S PRE-CLEAN 67602
PRECEDING COAT:	None.
SUBSEQUENT COAT:	HEMPEL'S LIGHT PRIMER 45551 , HEMPEL'S UNDERWATER PRIMER 26030 or HEMPEL'S VARNISHES
REMARKS:	Apply: HEMPEL'S DIAMOND VARNISH 05140 wet on wet.
Film thicknesses/thinning:	May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and overcoating interval. Keep thinning to a minimum to ensure that correct film thickness is obtained. The amount of thinner depends on the application conditions: temperature, ventilation and substrate.
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.
Curing agent:	Sensitive to moisture. Even small traces of water in the mixed paint will reduce the pot life and result in film defects. Open curing agent cans with caution as overpressure might exist. Do not fix lid on cans containing mixed product. Store in a cool place.
Overcoating:	No maximum overcoat interval refers to surfaces avoiding a glossy appearance after application of the product. If surface has acquired a glossy surface, abrading is required to remove gloss before overcoating.
Note:	HEMPEL'S SEALER 05991
ISSUED BY:	HEMPEL A/S 0599100000

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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