

55500: BASE 55509: CURING AGENT 98520

Description:	HEMPEL'S OCEAN GLOSS 55500 is a fast drying, high gloss two component polyurethane topcoat with excellent colour and gloss retention. Durable and protects against degradation and abrasion.
Recommended use:	For use on glass fibre, steel, aluminium and plywood. For interior and exterior use above the waterline.
Features:	High quality finishing coat. Ideal for surfaces exposed to highly aggressive environments.
Service temperature:	Maximum, dry exposure only: 120°C/248°F Peak, maximum: 140°C/284°F
Availability:	Part of European Yacht assortment. Local availability subject to confirmation.
PHYSICAL CONSTANTS:	
Shade nos/Colours:	10231*/ White.
Finish:	High-gloss
Volume solids, %:	50 ± 1
Theoretical spreading rate:	16.6 m ² /l [665.7 sq.ft./US gallon] - 30 micron/1.2 mils
Flash point:	29 °C [84.2 °F]
Specific gravity:	1.2 kg/litre [10 lbs/US gallon]
Dry to touch:	4 hour(s) 20°C/68°F 12 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 14 day(s) 10°C/50°F
VOC content:	433 g/l [3.6 lbs/US gallon]
Shelf life:	3 years 25°C/77°F

**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:	55500
Mixing ratio:	BASE 55509: CURING AGENT 98520 3 : 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.
Application method:	Spray: For professional use only.
Thinner (max.vol.):	HEMPEL'S THINNER 851 (No 6) 08511 (Fast): 5°C/41°F - 20°C/68°F (40% - 50%) HEMPEL'S THINNER 852 (No 7) 08521 (Medium): 20°C/68°F - 30°C/86°F (40% - 50%) HEMPEL'S THINNER 871 (No 2) 08711 (Slow): > 30°C/86°F (max. 40%) Mix HEMPEL'S THINNER 871 (No 2) 08711 (max. 40%) with HEMPEL'S THINNER 852 (No 7) 08521 at temperature > 30°C/86°F
Pot life:	Air spray (HVLV) / Conventional (Gravity feed) / Conventional (Suction feed) / Conventional (Pressure feed) Fluid tip: 1.0 - 1.2 mm / 1.0 - 1.2 mm / 1.4 -1.6 mm mm / 1.0 -1.2 mm Air pressure: 0.7 bar at nozzle / 3 - 4 bar bar / 4 - 6 bar
Nozzle orifice:	8 hour(s) 20°C/68°F 16 hour(s) 10°C/50°F
Nozzle pressure:	0.039 - 0.047 " 2.9 - 4.4 bar [42 - 63.8 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 851 (No 6) 08511 or HEMPEL'S THINNER 852 (No 7) 08521 or HEMPEL'S THINNER 871 (No 2) 08711
Indicated film thickness, dry:	30 micron [1.2 mils]
Indicated film thickness, wet:	50 micron [2 mils]
Overcoat interval, min:	6 hour(s) 20°C/68°F 12 hour(s) 10°C/50°F
Overcoat interval, max:	7 hour(s) 20°C/68°F 14 day(s) 10°C/50°F

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:	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. Previously coated surface: Abrade, clean and dry the surface Priming: Prime with specified HEMPEL'S PRIMER. Uncoated surface: Glass fibre: Sand and remove all dust. Steel: Remove salt and other contaminants by (high pressure) fresh water cleaning. Remove all rust and loose material by abrasive blasting or power tool cleaning. Dust off residues. Aluminium: High pressure fresh water clean. Grit blast with non-metallic abrasive. Plywood Sand and remove all dust. Seal the dry clean surface with suitable wood sealer.
PRODUCT APPLICATION:	Method: Apply 3 coats of the product. Add thinner to assist application if necessary To obtain a smooth surface, sanding between coats is recommended (remove dust).
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. 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:	HEMPEL'S SEALER 05991 (for plywood) HEMPEL'S LIGHT PRIMER 45551 or HEMPEL'S YACHT POLYPRIMER 25050
SUBSEQUENT COAT:	None.
REMARKS:	
Stirring:	Stir product well before use
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:	If the maximum overcoating interval is exceeded, clean with fresh water and allow to dry. Light abrade and remove all dust prior to repainting. If surface has been contaminated by oils and pollutants, thoroughly remove with suitable detergent, rinse with fresh water and allow to dry. Light abrade and remove all dust prior to repainting.
Note:	HEMPEL'S OCEAN GLOSS 55500 For professional use only.
ISSUED BY:	HEMPEL A/S 5550010231

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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