



## HEMPEL'S OCEAN GLOSS 55500

55500: BASE 55509: CURING AGENT 98520

### Description:

HEMPEL'S OCEAN GLOSS 55500 is a fast drying, high gloss two component polyurethane enamel with excellent colour and gloss retention suited for spray application. HEMPEL'S OCEAN GLOSS 55500 is resistant to weather, abrasion and impact in marine and industrial environments.

### Recommended use:

As a high quality finishing coat on surfaces above waterline on steel, aluminium, glass fibre, reinforced polyester, wood, etc. exposed to highly aggressive environments.

### Service temperature:

Maximum, dry exposure only: 120°C/248°F - 140°C/284°F (peak)

### Availability:

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

### PHYSICAL CONSTANTS:

Shade nos/Colours: 10501\*/ White.  
Finish: High-gloss  
Volume solids, %: 50 ± 1  
Theoretical spreading rate: 16.6 m<sup>2</sup>/l [665.7 sq.ft./US gallon] - 30 micron/1.2 mils  
Flash point: 28 °C [82.4 °F]  
Specific gravity: 1.2 kg/litre [9.9 lbs/US gallon]  
Dry to touch: 3 - 4 approx. hour(s) 20°C/68°F Proper ventilation is required.

Fully cured: 10-12 hour(s) at 10°C/50°F

VOC content: 7 day(s) at 20°C/68°F

433 g/l [3.6 lbs/US gallon]  
*\*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:

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#### Application method:

3:1 by volume

Air spray (HVLP) / 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 / 1.0-1.2 mm

Air pressure: 0.7 bar at nozzle / 3-4 bar / 3-4 bar / 4-6 bar

(Spray data is indicative and subject to adjustment)

#### Thinner (max.vol.):

see REMARKS overleaf

#### Pot life:

8 hour(s) at 20°C/68°F

#### Nozzle orifice:

0.039 - 0.047 "

#### Nozzle pressure:

2.9 - 4.4 bar [42 - 63.8 psi]

(Airless spray data are indicative and subject to adjustment)

#### Cleaning of tools:

HEMPEL'S THINNER 08511 or HEMPEL'S THINNER 08521

#### Indicated film thickness, dry:

30 micron [1.2 mils] see REMARKS overleaf

#### Indicated film thickness, wet:

100 micron [4 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:          | 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. Minimum temperature for curing is: 2°C/36°F. Maximum relative humidity: 75%. In confined spaces provide adequate ventilation during application and drying.                                                                                                                                                                                                                                                                                                                            |
| PRECEDING COAT                   | According to specification. Recommended systems are: HEMPEL'S LIGHT PRIMER 45551, HEMPEL'S YACHT POLYPRIMER 25050.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| REMARKS:                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Weathering/service temperatures: | Maximum, dry exposure only: 120°C/248°F - 140°C/284°F (peak)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Application(s)                   | Application temperature: above 2°C/36°F<br>Maximum relative humidity: 75%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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 recoating interval. Normal range dry is: 30-40 micron/1.2-1.6 mils<br>The amount of thinner depends on the application conditions: temperature, ventilation and substrate.<br>Use: HEMPEL'S THINNER 08511 (40-50%) at 5-20°C/41-68°F.<br>Use: HEMPEL'S THINNER 08521 (40-50%) at 20 - 30°C/68 - 86°F.<br>Use: Mixture of: HEMPEL'S THINNER 08531 (max 40%) and HEMPEL'S THINNER 08511 or HEMPEL'S THINNER 08521 at >30°C/86°F. (see relevant painting specification) |
| Recoating intervals:             | A completely clean surface is mandatory to ensure intercoat adhesion, especially at long recoating intervals. Any dirt, oil, grease, and other foreign matter must be removed with suitable detergent followed by (high pressure) fresh water cleaning. Salts to be removed with by fresh water hosing. To check whether the quality of the surface cleaning is adequate, a test patch may be relevant. If the maximum recoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.                                                                                                           |
| Note:                            | <b>HEMPEL'S OCEAN GLOSS 55500 For professional use only.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ISSUED BY:                       | HEMPEL A/S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on [www.hempel.com](http://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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