

MONOTOP GL 55

Technical sheet no. 24

Editing September 2022

TYPE OF PRODUCT :

ANTI-CORROSION GLOSS GLYCEROPHTHALIC LACQUER

PROPERTIES :



Information
Products

MONOTOP GL 55 is a finishing lacquer which provides:

- Excellent weather resistance
- Excellent resistance in marine environments and in diluted chemical atmospheres
- Good gloss retention
- Good color and shine retention
- Great ease of maintenance and recovery

MONOTOP GL 55 is very easy to apply:

With the brush

With a pneumatic gun

With Airless

Applies to topsides, decks and superstructures of classic wood (interior and exterior) or composite boats.

Wooden masts and spars

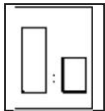
Protection and decoration of ferrous metal fittings. Wooden supports and derivatives.

Interior joinery

Its very good impermeability to water and its flexibility allow it to be used as a paint finish for topsides, superstructures, and classic plank-type wooden boat decks.

Colors available on RAL and AFNOR color charts. This system applies to the MONOPRIMER GP 41 primer. For any other type of coating, consult our technical department.

COMPONENTS:



Hardeners
Thinners

Mono-component Glycerophthalic

Thinners

No. DG 9 for brush and roller application

No. DG 6 for gun application

DILUTIONS:

BRUSHES AND ROLLS from 10% to 20%

PNEUMATIC GUN from 10% to 20%

AIRLESS from 3% to 5%

SPECIFICATIONS :



Standards and
Qualifications

MAP YACHTING *Paint Systems* SPEC

For the latest missing updates, please check with us at sales@map-yachting.com

The information contained in this edition is based on our current knowledge and experience. Given the many factors that can affect the transformation and application of our products, this information does not in any way release any user from his obligations to carry out his own checks and tests. Nor do they constitute a guarantee of certain characteristics of the products or of their adaptation to a specific need. Any description, photo, data etc. Is mentioned for information only. The most recent version cancels and replaces all previous versions. The most recent document is available on our website www.map-yachting.com, or directly from your distributor. The recipient of our products is required to ensure that all industrial property rights and all laws and regulations in force are respected.

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Surface Preparation



All surfaces to be covered must be free of dirt, pollution due to grease, water vapor (see the dew point table), dust or mould. In order to ensure a perfect finish, and to obtain an excellent quality of surface tension, the interfaces or undercoats must be perfectly smooth, and free of drips or orange peel. Substrates must be sanded with very high quality abrasives to FEPA standard.

MONOTOP GL 55 can also be used on primers, GP41, EP 211, EP 215 HB, EP 215 HB+, PU225 and PU228 systems.

Manual



Mixing ratio

THINNING BRUSH OR LACQUER ROLLER: 10 to 20% with Thinner DG9

PNEUMATIC GUN: 10 to 20% with DG6 Thinner

Allow products to acclimate to ambient site temperature before use. The base should be mixed thoroughly for at least 5 minutes using a clean disperser mounted on an explosion-proof stirrer. Then add the part of hardener by pouring it slowly and continuing to mix until a liquid with a smooth and homogeneous unctuous appearance is obtained. Since the two components are of different viscosity, the edges of the mixing container should be carefully scraped with a spatula. Mixing containers should have flat bottoms and perfectly smooth edges.



Duration drying

None



Viscosity initial of application (at 23°C)

25s to 30s AFNOR Cup n°4



Remark

The viscosity should be checked using AFNOR cup no. 4 and readjusted if necessary. A viscosity check is recommended every 1/2 hour. Do not forget to mix well after each readjustment by diluting. Viscosity measurements are provided for guidance only and should not be used as quality control parameters.

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Shelf life of the mixture at 20°C

None



Remark

Film weight for 100µm dry 255g/m²



Dry film thickness

70-100µm

Applications & Recommendations



Conditions

Temperature:	15 - 17°C	20 - 25°C
Hygrometry :	30 - 65%	40 - 70%



Note

The quality of application of all coatings will be influenced by the spray equipment chosen and by the temperature, humidity and airflow of the paint application area. When first applying the product, it is recommended that test panels be prepared to identify the best equipment settings to use to optimize the performance and appearance of the coating. MONOTOP GL 55 can be applied in conditions outside the limits indicated. Care should be taken to ensure a satisfactory result. Please contact your MAP YACHTING Paint Systems technician to determine proper application techniques and choice of thinners when environmental conditions are outside the recommended range.



Remark

The quality of the coating may be degraded by humidity during its crosslinking phase.

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Materiel

Pressure pot
Pistol : AZ1/IWATA WS200SP / WS200FT / W200G2P
Nozzle + Needle: 0.8mm to 1.2mm
Paint flow: 170 - 280 ml/min
Air cap: G2P / WS-200SP-01 / WS-200FT-01 / WS-200FT-02
Gun pressure: 2.5 – 3.0 Bars
Pressure Product: 1 Bar
Gravity spray gun
Spray gun: AZ3 /IWATA WS400 / W400 / W400WB / W400 BELLARIA
Nozzle+ Needle: 1.3 mm to 1.6mm
Paint flow: 140 - 250 ml/min
Air cap: LV2 / BA4-1 / WB1 / WBX
Gun pressure : 1.8 – 2.5 Bars
Airless
Nozzle : 0,013 - 0,015 mm
Pressure : 100 - 200 Bars
Roller or Brush
Lacquer or Foam



Name of lying down

Apply 2 coats of 60 μ m to 90 μ m wet (is 120 μ m to 180 μ m wet).

The layers must be closed and homogeneous.



Cleaning the material

Do the first cleaning with cleaning thinner (noble solvent without water and not recycled) and finish cleaning with the application solvent of the MAP YACHTING Paint Systems system.

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Physical properties		USE LIMIT TEMPERATURE :	+100 °C
	Time to Drying (at 23°C – 40 to 60% RH)	Dust free: 3-4 hours Dry to touch: 10 hours	
	Recovery (at 23°C – 40 to 60% RH)	By itself without sanding (for 50µm dry): Minimum: 4 hours Maximum: 14 days	
	YIELD THEORETICALLY	12 m² / l for 40µm dry (without loss, varies according to shades)	
	Dry extract in Volume you Mixed	49 +/- 3%	
	Density of Mix at 20°C	1,25 +/-0,05%	
	Compounds organic Volatiles	EU limit value for this product (cat. A/i): 500 g/l (2010) This product contains a maximum of 475 g/l of VOC	

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ASPECT
(at 60°)

Bright



Colors

According to the colors of the RAL or AFNOR color charts



Flash point

Bases: 23°C ≤ PE ≤ 55°C



Storage

Store the product in a dry place and at a temperature between + 10°C and + 25°C according to the specifications of MAP YACHTING Paint Systems. Store in original unopened containers. Storage temperature may vary depending on OEM specification requirements. Refer to container label for specific information on storage time.

Lifetime
+10°C to 25°C

The information is given for closed containers in the original packaging, i.e. 24 months according to the commercial specifications of MAP YACHTING Paint Systems for the base of the MONOTOP GL 55. Shelf life may vary due to OEM specification requirements. Refer to container label for specific shelf life information.

Safety instructions

Comply with all local safety, disposal and transportation regulations. Carefully check the Safety Data Sheet (SDS) and label of each product before using it.

Safety Data Sheets are available on request.

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Exhaustive and is based on the current state of our knowledge and on the laws in force: anyone using the product for purposes other than those specifically recommended in the data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended use does so at its own risk. It is always the responsibility of the user to take all necessary measures to meet the requirements set by local rules and legislation. Always read the Material Data Sheet and Technical Data Sheet for that product, if available. All advice we give or statements we make about the product (whether in this data sheet or elsewhere) are correct to the best of our knowledge, but we have no control over the quality or condition of the substrate or on the many factors affecting the use and application of the product. Therefore, unless we agree otherwise in writing, we accept no liability whatsoever for the performance of the product or for any loss or damage arising from the use of the product. All products supplied and technical advice given are subject to our terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to change from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check that this data sheet is up to date before using the product. **Brand names mentioned in this data sheet are registered trademarks or licensed to:**