

AEROXYGLASS 560

Technical sheet no. 48

Editing September 2022

TYPE OF PRODUCT :

EPOXY LACQUER WITH SOLVENT

PROPERTIES :

AEROXYGLASS 560 is an epoxy polyamino-amide finishing coating, applicable in thick layers for finishing underwater work, interior structures, equipment and accessories in a marine environment.

AEROXYGLASS 560 epoxy lacquer:

Provides excellent resistance to chemicals, abrasion, dry heat (100°C continuously), immersion in fresh water, sea water, grease and most solvents, which gives this system the qualities necessary for excellent protection of the bottoms of the holds and the underside.

AEROXYGLASS 560 is applied in one or more crossed coats from 160 to 240 μm wet to obtain a dry film from 80 μm to 120 μm , respecting the recovery times.

The recovery time allows the application of 450 μm wet in two operations, during the day, spaced a minimum of 4 hours at 20°C between coats. The finishing of bilge bottoms, engine compartments, interiors, chests, the finishing of composite boat interiors.

Indoor use. Be careful, epoxies have a tendency to yellow and flour under UV.

COMPONENTS:

Aeroxyglass 560 Hardener / Hardener

Thinner EP N°3

EP Thinner No. 703 (in addition to EP Thinner No. 3)

DILUTIONS:

BRUSHES AND ROLLS from 10% to 30%

PNEUMATIC GUN from 15% to 30%

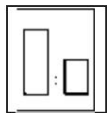
SPECIFICATIONS :

MAP YACHTING *Paint Systems* SPEC

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Information
Products



Hardeners
Thinners



Standards and
Qualifications

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.

AEROXYGLASS 560

Surface Preparation



All surfaces to be covered must be free of dirt, pollution due to grease, water vapour, (refer to 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 and sanded with very high quality abrasives. to the FEPA standard.

AEROXYGLASS 560 is used for wood interior finishes and derivatives and carbon parts. AEROXYGLASS 560 accepts UNDERCOAT EP 215HB, 215 HB+, EPU 221, PU 228HB – PU 225HB intermediates, and PU 77, PU 99, PU 320, PU 380 lacquer finishes, and POLYCLEAR 630 UVR and TOPCOAT CLEAR PU 360 clearcoats UVR.

Manual



Mixing ratio

Volume (ml) : 2 Base / 1 Hardener

Weight (gr) : 100 (gr) Base / 25 (gr) Hardener

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 dying

20 minutes at 20°C



Viscosity initial of application (at 23°C)

45 to 60s AFNOR Cup n°4



Remark

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Shelf life of the mixture at 20°C

8 hours



Remark

None



Dry film thickness

80 – 120 microns (μm)
To achieve a proper finish.

Applications & Recommendations



Conditions

<u>Hardeners :</u>	Aeroxyglass 560 Hardener	Aeroxyglass 560 Hardener
Temperature:	15 – 23°C	25 – 30°C
Hygrometry :	40 – 70%	30 – 65%



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. AEROXYGLASS 560 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 Gun:
IWATA WS200SP / WS200FT / W200G2P
Nozzle + Needle: 1.2mm to 1.6mm
Paint flow: 170 - 280 ml/min
Air cap: G2P / WS-200SP-01 / WS-200FT-01 / WS-200FT -02
Gun pressure: 2.5 – 3.5 Bars
Fluid pressure: 1 Bar

Gravity gun
Gun : IWATA WS400 / W400 / W400WB / W400 BELLARIA
Nozzle + Needle: 1.3 mm to 1.8mm
Paint flow: 140 - 250 ml/min
Air cap: LV2 / BA4-1 / WB1 / WBX
Gun pressure: 1.8 – 2.5 Bars

Roller or Brush
Foam or lacquer



Name of lying down

Do not "paint to try to cover" when applying the 1st coat.
Apply in 3 coats a wet film, for a time of 45 minutes minimum of evaporation at 23°C for the 1st coat. The 2° and 3° final coats must be closed, smooth and homogeneous, with an overlap of 1h30 min to 1h45 min at 23°C between the coats.



Cleaning the material

Perform the first cleaning with cleaning thinner (noble solvent without water and not recycled) and finish the cleaning with the system application solvent.

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Physical properties		USE LIMIT TEMPERATURE :	+100°C
	Time to Drying (at 23°C – 40 to 60% RH)	DRYING TIME (for 100µm dry): Dust free: 1 hour – 1/2 hour with Accelerator EP No. 703 Dry to the touch: 4h - 3h with Accelerator EP N°703	
	Recovery (at 23°C – 40 to 60% RH)	COVERAGE (for 100µm dry): Minimum: 16 hours 6 hours with Accelerator EP N°703 Maximum: 7 days - 2 days with Accelerator EP N° 703	
	YIELD THEORETICALLY	6 m²/l for 80µm dry (without loss)	
	Dry extract in Volume you Mixed	52 %	
	Density of Mix at 20°C	1.39 +/-0.02% for White	
	Compounds organic Volatiles	Base: 332.00 g/l Hardener: 470.00 g/l	

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ASPECT

(at 60°)

Gloss + 80GU*

*GU= GLOSS UNIT



Colors

WHITE



Flash point

Base: PE < 23°C Hardener: 23 <= 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. 48 months according to the commercial specifications of MAP YACHTING Paint Systems for the AEROXYGLASS 560 base and 24 months for the catalyst. 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:**

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