

MIXFILL 100

Technical sheet no. 5

Editing September 2022

TYPE OF PRODUCT :

LOW DENSITY EPOXY FILLER

PROPERTIES :



Information
Products

The MIXFILL 100 filler is a coating formulated based on epoxy systems with very high mechanical performance and high percentages of elongation at break (8 to 15%).

The MIXFILL 100 coating is pre-loaded under vacuum with a complex of very low density fillers (approximately 0.6 to 0.7) and provides:

- Great ease of application with a ruler or spatula.
- Excellent sandability with a wedge or sander.
- Great smoothness of the smoothing film.
- No shrinkage on drying.
- Excellent temperature resistance.
- Excellent working time for all application conditions.
- Excellent adhesion and impact resistance.
- Easy dosing by weight and volume 2:1

The MIXFILL 100 coating is specially formulated for the leveling of yacht hulls, masters, osmosis treatments.

The MIXFILL 100 coating can be applied without distinction to all areas (superstructures, bridges, topsides and undersides).

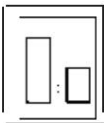
The MIXFILL 100 filler can be applied directly without prior sanding, if the covering times are respected, on the systems listed below: Epoxy Primer EP 211 for metals / Undercoat 215HB - 215HB+ for composites.

Never apply directly to steel, cast iron and ferrous metals, as well as aluminum and alloys. The latter must be treated beforehand with a primer.

The MIXFILL 100 coating is applied as an intermediate coating or finish and can be covered with: the epoxy coating GREENFILL 80, SPRAYABLE FILLER 500, AEROFILLER 525.01 and the intermediate systems: 215HB, 215HB+, IM409, EP211, PU225-PU228.

It can be applied directly after sanding, on itself or on composites epoxy, Polyester*, Vinylester*, on properly treated wood and CP* (*contact us)

COMPONENTS:



Hardeners
Thinners

MIXFILL 100 BASE
MIXFILL 100 HARDENER / HARDENER

SOLVENT FREE

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.

Surface Preparation



All surfaces to be covered must be free of dirt, pollution due to grease, water vapour, dust or mold and cleaned with SURFACE CLEANER D25.

The MIXFILL 100 coating is applicable on itself and can be applied on any type of solvent-free epoxy coating after sanding and dusting.

Manual



Mixing ratio

Volume (ml): **100** Base / **50** Hardener

Weight (gr): **100 (gr)** Base / **50 (gr)** Hardener

For quantities of mixtures greater than 3 liters (base + hardener), you can use a slow stirrer for "smooth round iron" plaster. Mix the base and the hardener at very low speed until obtaining a liquid with a creamy and homogeneous appearance in color, then debubble the mixture by shearing it and smoothing it on a flat and clean surface before setting work on a thickness of + - 3mm.



Duration drying

10 minutes at 20°C



Viscosity initial of application (at 23°C)

PASTY PRODUCT



Remark

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Shelf life of the mixture at 20°C

1 hour for a base + hardener mixture of + - 500 ml



Remark

It is advisable to check the viscosity of the mixture base + hardener, if the system thickens do not use it any more and prepare a new mixture.



Dry film thickness

RECOMMENDED THICKNESS PER LAYER:
From 1mm to 10 mm maximum at 20°C

Applications & Recommendations



Conditions

<u>Hardeners :</u>	MF100 HARDENER	MF100 HARDENER	MF100 HARDENER
Place:	12°C– 15°C	15 - 25°C	25°C – 35°C
Hygrometry :	30 - 70%	30 - 70%	30 - 70%



Note

The quality of application of all coatings will be influenced by the application equipment chosen and by the temperature, humidity and shape of the application area. When first applying the product, it is recommended that test panels be prepared to identify the best application settings to use to optimize system performance and appearance. MIXFILL 100 cannot be applied in conditions outside the indicated limits. Care should be taken to ensure a satisfactory result. Please contact your MAP YACHTING Paint Systems technician to determine proper application techniques and media when environmental conditions are outside of the recommended range.



Remark

Optimum application conditions are 20°C to 25°C for 50% to 70% relative humidity.

Reactivity of the mixture for 500 g at 30°C: + - 20 minutes.

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Materiel

Application with ruler for large surfaces, spatula, coating knives, smoothing trowel etc...



Name of lying down





Tighten the mixture well on the support when applying in 1 coat. Solvent-free epoxy fillers such as MIXFILL 100 must be sanded, completely sanded and dusted before another coating by itself or another system.



Cleaning the material

To clean tools, use SOLVATOP cleaner diluent, alcohol, Epoxy thinner EP N°17 or EP N°3, Acetone.

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Physical properties		USE LIMIT TEMPERATURE :	+70 °C
	Time to Drying (at 23°C – 40 to 60% RH)	Sandable after 20 hours at 20°C for a thickness of 3 mm	
		Sandable after 16 hours at 25°C for a thickness of 3 mm	
	Recovery (at 23°C – 40 to 60% RH)	The MIXFILL 100 coating must be imperatively sanded and carefully dusted and with a matte appearance before any type of covering by itself or another system.	
	YIELD THEORETICALLY	1 liter per m² for 1 mm thickness or 0.7 kg per m² for 1 mm thickness	
	Dry extract in Volume you Mixed	100 %	
	Density of Mix at 20°C	0.7 kg/m³	
	Compounds organic Volatiles	Solvent free	

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ASPECT
(at 60°)

Satin - Matt



Colors

Mixed product = gray color (Dark Gray Base / Light Gray Hardener)



Flash point

Basis: Not applicable. Hardener: PE > 100°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, 24 months for the hardener. 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.

Publication date: September 2022 - ONLY FOR PROFESSIONAL USE -

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:**

MAP YACHTING Paint Systems

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