

GREENFILL 80

Data Sheet n° 3

Editing Septembre 2022

TYPE OF PRODUCT :

EPOXY BIO-SOURCE LOW DENSITY FILLER

PROPERTIES :

The GREENFILL 80 is a BIO-SOURCE coating formulated on the basis of epoxy systems with very high mechanical performance and high percentages of elongation at break (8% to 15%).

The GREENFILL 80 is pre-loaded under vacuum with a complex of very low density fillers (approximately 0.6 to 0.7 kg/m³) and provides:

- Very easy to apply with a ruler or spatula.
- Excellent sanding with a lath or machine.
- Very fine smoothing film.
- No shrinkage on drying.
- Excellent chemical resistance.
- Excellent impact and abrasion resistance.
- Can be applied in high thicknesses vertically without dripping maximum 20 mm at 20°C.
- Easy to dose by volume 1:1



Information
Products

The GREENFILL 80 coating is specially formulated for the leveling of yacht hulls, masters, osmosis treatments.

The GREENFILL 80 coating can be applied without distinction to all areas (superstructures, bridges, dead works, and underwater works).

The MIXFILL 80 coating is applied directly without prior sanding (if the recovery times are respected) on the systems:

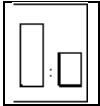
- Epoxy Primer EP 211 for metals.
- Undercoat 215HB or 215HB+ for composites.

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

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

- Directly after sanding, on itself or on epoxy composites, Polyester*, Vinylester* on woods and plywood correctly treated* (*ask us)

COMPONENTS :



Hardeners
Thinners

GREENFILL 80 STANDARD 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.

MAP YACHTING *Paint Systems*

Zone Athelia IV-296 Avenue de la Tramontane-13705 LA CIOTAT CEDEX – France

Surface Preparation



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

The GREENFILL 80 coating is applicable on itself and can be applied to any type of solvent-free epoxy coating after sanding and dusting.

Manual



Mixing
ratio

(by volume
and weight)

Volume : **1** Base / **1** Hardener

Weight : **100 g** Base / **75 g** Hardener

Allow products to acclimate to ambient site temperature before use. 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

10 minutes at 20°C



Initial
application
viscosity
(at 23°C)

PASTY PRODUCT



Remark

The viscosity of the basecoat and hardener should be checked before mix. Thoroughly homogenize the base and the hardener before serving. We advise you to keep the products for 24 to 48 hours at 20°C before putting them into service.

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Shelf life of the mixture at 20°C

45 minutes for a Base + Standard Hardener mixture of + - 500 g



Remark

It is advisable to check the viscosity of the Base + Hardener mixture, if the system thickens no longer use it and prepare a new mixture. GREENFILL 80 does not dilute.



Dry film thickness

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

Applications & Recommendations



Conditions

<u>Hardeners :</u>	MF80 HARDENER FAST	MF80 HARDENER MF80 STANDARD	MF80 HARDENER MF80 SLOW
Temperature:	15°C– 17°C	20°C – 25°C	30°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. GREENFILL 80 cannot 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 media when environmental conditions are outside of the recommended range.



Remark

Optimum application conditions are 20°C to 25°C for 30% to 70% relative humidity.
Reactivity of the mixture for 500 g at 30°C with Standard Hardener: + - 30 minutes.

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Matériel

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



Number of layer

Tighten the mixture well on the support when applying in 1 coat. Solvent-free epoxy fillers such as GREENFILL 80 must be sanded, completely sanded and dusted before another coating.



Material cleaning

To clean the 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: +50 °C

Time to Drying
 (at 23°C –
 40 à 60 % RH)

 Sandable after 16 hours at 20°C for a thickness of 3 mm.
 Sandable after 12 hours at 25°C for a thickness of 3 mm.

Recovery
 (at 23°C –
 40 à 60 %
 RH)

The GREENFILL 80 coating must imperatively be sanded and carefully dusted and matt in appearance before any type of covering by itself or another system


THEORETICAL YIELD

1 liter per m2 for 1 mm thickness 0.6 to 0.7kg per m2 for 1 mm thickness.


Dry extract in mixed volume

100 %

Mix density at 20°C

0.6-0.7 kg/m3


Compounds Organic Volatiles

Solvent free

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ASPECT
(at 60°)

Satin - Matt



Colors

Yellow Base / Blue Hardener.



Flash Point

Consult the health and safety sheets of the products in force.



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 à 25°C

The information is given for closed containers in the original packaging, i.e. 24 months according to MAP YACHTING Paint Systems commercial specifications for the base, 24 months for the hardener. The shelf life may vary due to the requirements of the specifications of the manufacturer equipment supplier. 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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The information contained in this data sheet is not intended to be 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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