

PORE FILLER PU 225 HB

Technical sheet no. 22

Editing September 2022

TYPE OF PRODUCT :

ANTI-CORROSION POLYURETHANE UNDERCOAT

PROPERTIES :



Information
Products

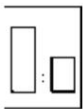
PORE FILLER PU 225 HB is a new-generation, two-component, fast-drying polyurethane undercoat with high covering power and very easy and fast sanding.

The new generation resins, used for its formulation, allow an implementation directly on the epoxy composite, correctly prepared, and devoid of any trace of pollution, avoiding an epoxy undercoat. The implementation of the TOPCOAT PU 320 finishing lacquer can be done immediately after sanding with very fine grain P240-P320 then dusting and degreasing.

The PORE FILLER PU 225 HB primer offers the possibility of being sanded between 24 hours and 48 hours after the implementation of approximately 80/100µm wet at a temperature of 20 to 25°C and 50/55% RH make it the ideal interface, at the end of the painting cycle for the topsides, or non-submerged parts, before applying the lacquer. Thanks to its qualities, it ensures a considerable saving of time in the preparation of surfaces to be lacquered.

The PORE FILLER PU 225 HB primer offers a film of great finesse and perfect quality by accepting being covered with BASECOAT F16 and any type of direct gloss lacquer.

COMPONENTS:



Hardeners

Thinners

Pore filler PU 225/310 Hardener Standard

Pore filler PU 225/310 Hardener Slow

Thinner Fast

Thinner Medium

Thinner Slow

DILUTIONS:

BRUSHES AND ROLLS from 3% to 10%

PNEUMATIC GUN from 5% to 10%

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.

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.

The PORE FILLER PU225HB and PU228HB systems make it possible to obtain a perfect surface, after sanding, devoid of porosity, an essential condition for obtaining a perfect finish as well as excellent gloss retention over time.

PORE FILLER PU225HB can also be used on primers, EP 211, IM409, systems, MIX FILL 27-10, GREENFILL80, MIXFILL 100 fillers, SPRAYABLE FILLER 500, AEROFILLER 525.01, EP 215 HB+ systems, PU228 , EPU 221, PU 77, PU 99 and TOPCOAT PU320-PU380.

Manual



Mixing ratio

Volume (ml) : **5 Base / 1 Hardener Standard or Slow**

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

None



Viscosity initial of application (at 23°C)

23s to 52s AFNOR Cup n°4



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Shelf life of the mixture at 20°C

3 Hours (with Slow Hardener)
1 Hours (with Standard Hardener)



Remark

Dry film weight for a thickness of 100µm: 200g/m²



Dry film thickness

80 – 150µm

Applications & Recommendations



Conditions

<u>Hardeners :</u>	F16 / PU225 Standard	F16 / PU225 Slow
Temperature:	15°C– 20°C	25 - 30°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. PORE FILLER PU225HB can be applied under 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: 1.4mm to 1.8mm
 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 gun
 Pistol : AZ3 /IWATA WS400 / W400 / W400WB / W400 BELLARIA
 Nozzle + Needle: 1.5 mm to 1.8mm
 Paint flow: 140 - 250 ml/min
 Air cap: LV2 / BA4-1 / WB1 / WBX
 Gun pressure: 1.8 – 2.5 Bars

Airless
 Nozzle : 0,013 - 0,017 mm
 Pressure : 100 - 200 Bars
 Electrostatic
 Nozzle : 1.4 – 1.8 mm
 Pressure : 3.5 - 5 Bars



Name of lying down





Apply in 2 coats a wet film from 70 μ m to 80 μ m. 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)	For 100µm dry: Dust free: 1 hour with Slow hardener Dust free: 1/2 hour with Standard hardener Dry to touch: 8 hours with Slow hardener Dry to touch: 4 with Standard Hardener Sandable: 24 hours with Slow hardener Sandable: 12 hours with Standard Hardener	
	Recovery (at 23°C – 40 to 60% RH)	Without Sanding by itself (for 100µm dry) : Minimum: 4 hours with Slow hardener 1 hour with Standard hardener Maximum : 48 hours with Slow hardener 24 hours with Standard hardener	
	YIELD THEORETICALLY	5 m² /l for 100 µm dry (without loss)	
	Dry extract in Volume you Mixed	44 +/- 3%	
	Density of Mix at 20°C	1,4 +/-0,05%	
	Compounds organic Volatiles	612 g/l	

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ASPECT
(at 60°)

Matt



Colors

According to RAL color chart



Flash point

Base and Hardener (Closed Cup): 26°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 PORE FILLER PU225HB and 24 months for the Standard hardener, 12 months for the Fast 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:**