

WOOD IMPREG 120

Technical sheet no. 4

Editing September 2022

TYPE OF PRODUCT :

EPOXY COLORLESS VARNISH WITH SOLVENT

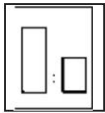
PROPERTIES :



Information
Products

The excellent penetrating properties of WOOD IMPREG 120 provide the ideal means of reinforcing and ensuring good protection of wood, before painting with polyurethane or epoxy systems. The WOOD IMPREG 120 allows, before the implementation of varnish, to block the funds and to avoid the differences of absorption. On old wood, it restores cohesion to altered surface veins and penetrates deeply, whether applied with a brush, roller or spray gun. Admissible without sanding, (recoverable minimum: 24 hours, maximum 6 days), it can be applied in 2 to 3 coats of 100µm wet per coat spaced 12 to 20 hours apart. In most cases, on a support perfectly prepared, it avoids the chipping phases before the implementation of the finishing polyurethane varnishes. WOOD IMPREG 120 provides good chemical protection for wood and derivatives. WOOD IMPREG 120 is applied indoors, it must not be exposed directly to UV.

COMPONENTS:



Hardeners
Thinners

Wood Impreg 120 Hardener.

Thinner EP N°3
Thinner EP No. 703

DILUTIONS:

BRUSHES AND ROLLS from 20% to 40%* (*In print)
PNEUMATIC GUN from 15% to 30%

SPECIFICATIONS :



Standards and
Qualifications

MAP YACHTING *Paint Systems* SPEC

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

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WOOD IMPREG 120

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.

WOOD IMPREG 120 is used as an undercoat for PU varnishes for wood and derivatives and carbon parts. WOOD IMPREG 120 accepts UNDERCOAT EP 215HB, 215 HB+, EPU 221, PU 228-PU225 intermediates, and PU 77, PU 99, PU 320, PU 380 lacquer finishes, POLYCLEAR 630 UVR and TOPCOAT CLEAR PU 360 UVR varnishes.

Manual



Mixing ratio

Volume	2	Base /	1	Hardener
Weight	100	(gr) Base /	46	(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 drying

20 minutes at 20°C



Viscosity initial of application (at 23°C)

16 to 20s 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

6 hours



Remark



Dry film thickness

80 – 120 microns (μm) To obtain a suitable finish.

Applications & Recommendations



Conditions

Hardeners : Wood Impreg 120 Hardener Wood Impreg 120 Hardener

Place: 15 – 23°C 25 – 35°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.

WOOD IMPREG 120 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 substrates to be varnished must be absolutely free of humidity.

The relative humidity of the wood or the support to be varnished must imperatively be less than 10%.

Respect scrupulously the atmospheric conditions of application and drying.

If these points are not respected, there is a risk of damage to the film and the risk of mass bleaching of the varnish.

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WOOD IMPREG 120



Material

Pressure pot
 Gun : 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 – 3.5 Bars
 Pressure Product: 1 Bar

Gravity gun
 Gun : IWATA WS400 / W400 / W400WB / W400 BELLARIA
 Tip+ Needle: 1.2 mm to 1.6mm
 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 a damp film in 3 coats, for a minimum evaporation time of 45 minutes at 23°C for the 1st coat, smooth 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)	DRYING TIME (for 100µm dry): Dust free: 4 h – 1 hour with Accelerator EP N°703 Dry to the touch: 9h - 3h with Accelerator EP N° 703 Sanding: 24h - 12h with Accelerator EP N°703	
	Recovery (at 23°C – 40 to 60% RH)	RECOVERY (for 100µm dry): Minimum: 24 h 6h with Accelerator EP N°703 Maximum: 6 days - 2 days with Accelerator EP No. 703	
	YIELD THEORETICALLY	5 m²/l for 80 µm dry (without loss)	
	Dry extract in Volume you Mixed	44.5 %	
	Density of Mix at 20°C	0.97 +/-0,02%	
	Compounds organic Volatiles	Base: 504.00 g/l Hardener: 397.00 g/l	

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ASPECT
(at 60°)

Gloss + 80GU* *GU= Gloss Unit



Colors

Slightly amber



Flash point

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 WOOD IMPREG 120 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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