
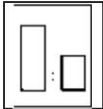



ACRYLTHANE PU 88 UVR

Technical sheet no. 43

Editing September 2022

<p>TYPE OF PRODUCT :</p>	<p>HEAVY DUTY UVA RESISTANT POLYURETHANE COATING</p>
<p>PROPERTIES :</p>  <p>Information Products</p>	<p>ACRYLTHANE PU88 UVR is a two-component polyurethane coating with a high dry extract that can be applied in thick layers of 200 to 400µm dry.</p> <p>ACRYLTHANE PU88 UVR has:</p> <ul style="list-style-type: none"> Softness and flexibility of the film. A shiny film appearance. <p>ACRYLTHANE PU88 UVR has resistance:</p> <ul style="list-style-type: none"> To bad weather, UV, marine atmosphere. Abrasion. <p>ACRYLTHANE PU 88 UVR can be applied both indoors and outdoors.</p> <p>ACRYLTHANE PU 88 UVR does not yellow or flour.</p> <p>ACRYLTHANE PU 88 UVR can be applied to:</p> <ul style="list-style-type: none"> Bottom of bilges, bottom of lockers. Areas subject to heavy traffic. Garages of pleasure boats. In deadworks for service vessels. For decks as non-slip for intensive use with DECK GRIP M 200 additive.
<p>COMPONENTS:</p>  <p>Hardeners Thinners</p>	<p>ACRYLTHANE PU88 UVR hardeners</p> <p>Thinners PU N°07-09 (winter) or PU N° 4 (summer)</p> <p>DILUTIONS:</p> <ul style="list-style-type: none"> ROLLS from 10% to 15% PNEUMATIC GUN from 15% to 20%
<p>SPECIFICATIONS :</p>  <p>Standards and Qualifications</p>	<p>MAP YACHTING <i>Paint Systems</i> SPEC</p> <p>For the latest missing updates, please check with us at sales@map-yachting.com</p>

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.

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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.

ACRYLTHANE PU88 UVR can also be used on primers, EP 211, IM409, EP 215 HB, EP 215 HB+, EPU 221, PU225-PU228 systems.

Store at a temperature of 20°C, 24 hours before application.

ACRYLTHANE PU 88 UVR is delivered in a 2-component kit, Base and Hardener, not divisible, to be mixed thoroughly at the time of use with a mechanical stirrer, at slow speed, so as not to incorporate air.

If the mixture is not homogeneous, there is a risk of having poorly polymerized areas which will remain soft and will not harden.

Once the product has been prepared, use it immediately, as its shelf life is limited.

During polymerization, avoid air currents which may cause a haze on the surface of the product (freshness and humidity will accentuate the phenomenon).

Manual



Mixing ratio

Volume (ml) **100** : Base / **64** Hardener

Weight (gr) **100 (gr) Base / 48 (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



Viscosity initial of application (at 23°C)






Remark

Immediate application




NC

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	Shelf life of the mixture at 20°C	20 to 30 minutes
	Remark	NC
	Dry film thickness	200μm to 400μm

Applications & Recommendations

	<u>Hardeners :</u>	Acrylthane PU88 UVR Hardener	Acrylthane PU88 UVR Hardener
	Conditions	Temperature: 15 - 17°C	20 - 25°C
		Hygrometry : 30 - 65%	40 - 70%
	Note	<p>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. ACRYLTHANE PU88 UVR 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.</p>	
	Remark	<p>The quality of the coating may be degraded by humidity during its crosslinking phase.</p>	

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Materiel

Pressure pot Gun:
AZ1/ IWATA WS200SP / WS200FT / W200G2P
Nozzle+ Needle: 1.8mm to 2.5mm
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
Product pressure: 1-1.5 Bars
Gravity gun
Pistol : AZ3 /IWATA WS400 / W400 / W400WB / W400 BELLARIA
Nozzle + Needle: 2.0 mm to 3.0mm
Paint flow: 140 - 250 ml/min
Air cap: LV2 / BA4-1 / WB1 / WBX
Gun pressure: 1.8 – 3.5 Bars
Rolls
Bristle 10mm-12mm



Name of lying down

Apply in 2 coats a wet film of 200 μ m to 400 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 :

NC



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

Drying time given for 400µm dry as non-slip coating:

Temperature	Dry to touch	Hard dry
10°C	48 hours	15 days
20°C	24 hours	7 days
30°C	12 hours	4 days

Recovery (at 23°C – 40 to 60% RH)

By itself without sanding (for 200µm dry):

Temperature	Minimum	Maximum
10°C	48 hours	6 days
20°C	24 hours	3 days
30°C	30 minutes	1 day



YIELD
THEORETICALLY

350g to 400g/m² (no shedding, depends on shades)



Dry extract in Volume you Mixed

83 +/- 3%

Density of Mix at 20°C

1,28 +/- 0,05 g/cm³



Compounds organic Volatiles

EU limit value for this product (A/d): 500 g/l (2010).
This product contains a maximum of 200 g/l VOC

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ASPECT

(at 60°)

Bright: +80GU*

*GU= GLOSS UNIT



Colors

According to RAL or AFNOR color charts



Flash point

Base: 60°C < PE <= 93°C Hardener: 23°C <= 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. 24 months according to the commercial specifications of MAP YACHTING Paint Systems for the base of ACRYLTHANE PU88 UVR and 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:**

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