
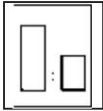



# EPOXYGUARD BWT 575

Technical sheet no. 39

Editing September 2022

<p>TYPE OF PRODUCT :</p>	<p>PHENOLIC EPOXY SOLVENT-FREE FINISHING FOR BLACK WATER OR GRAY WATER STORAGE</p>
<p><b>PROPERTIES :</b></p>  <p>Information Products</p>	<p>"High quality" protective coating for metal structures and concrete structures confined and exposed to aggressive environments, buried or immersed in fresh water or seawater.</p> <p>Solvent-free epoxy phenolic coating, without CMR or toxic compounds.</p> <p>EPOXYGUARD BWT 575 is suitable as a coating for the storage of black water and gray water from ships.</p> <p>Very good adhesion and high hardness of the film.</p> <p>Excellent resistance to chemical agents (consult our technical departments).</p> <p>The properties of the film, apart from its color, are not affected by actinic radiation.</p> <p>Interiors of tanks for black water and gray water with a temperature less than or equal to 60°.</p> <p>Compatible with EP 211 primer.</p> <p>In immersion, the recommended total thickness is Minimum 400 <math>\mu\text{m}</math> to 1000 <math>\mu\text{m}</math> depending on the type of substrate.</p>
<p><b>COMPONENTS:</b></p>  <p>Hardeners Thinners</p>	<p>Note: consult our technical departments for each case.</p> <p>EPOXYGUARD BWT 575 HARDENER</p> <p>SOLVENT FREE</p>
<p><b>SPECIFICATIONS :</b></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 <a href="mailto:sales@map-yachting.com">sales@map-yachting.com</a></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](http://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.

# EPOXYGUARD BWT 575

## Surface Preparation



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

Steel: all sheet metal work will be completed before the start of surface preparation work. Excess welds will be eliminated, sharp edges rounded off.

Eliminate oils and greases, alkaline deposits and soluble salts.

Abrasive blast (according to ISO 8501.1-1988) to degree Sa 2.5 roughness BN 10a of Rugotest n°3 (Ra 12.5 μm).

Dust carefully with a vacuum cleaner.

Aluminium: directly on the primer EPOXY PRIMER EP 211 after the recommended covering time\*

Composites: on sanded composites or raw surface of delamination fabric (possible on polyester\* and vinyl ester\* classified as food, perfectly polymerized and solvent-free).

For any other type of coating, and for surface preparation of aluminium, zinc, galvanized or any previously painted support, consult our technical department.

\*Consult us

## Manual



### Mixing ratio

Volume (ml) : 3 Base / 1 Hardener

Weight (gr) : **810 (gr) Base / 190 (gr) Hardener**



### Duration drying

None



### Viscosity initial of application (at 23°C)

Thick thixotropic product



### Remark

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# EPOXYGUARD BWT 575



**Shelf life of the mixture at 20°C**

40 minutes at 20°C for a 15 L. kit



**Remark**

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



**Dry film thickness**

RECOMMENDED THICKNESS PER COAT:

From minimum 300μm to maximum 500μm

## Applications & Recommendations



**Conditions**

**Hardeners :**    **BWT 575 EPOXYGUARD HARDENER**

Temperature:    15°C– 30°C

Hygrometry :    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. EPOXYGUARD BWT 575 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 50% to 70% relative humidity.

Commissioning: 10°C = 14 days / 20°C = 7 days / 30°C = 5 days

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**Materiel**

Long hair roller application 12mm to 15mm.



**Name of  
lying down**

2 coats of 300 $\mu$ m dry to 500 $\mu$ m dry







**Cleaning the  
material**

To clean the tools, use cleaning thinner, methylated spirit, epoxy thinner EP N°17 or EP N°3, acetone.

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# EPOXYGUARD BWT 575

Physical properties		USE LIMIT TEMPERATURE :		NC
	<b>Time to Drying</b> (at 23°C – 40 to 60% RH)	Drying time given for 500µm dry:		
		Temperature	Dry to the touch	Dry hard
		10°C	20 hours	30 hours
		20°C	8 hours	10 hours
		30°C	4 hours	8 hours
	<b>Recovery (at 23°C – 40 to 60% RH)</b>	Temperature	Minimum	Maximum
		10°C	24 hours	30 days
		20°C	18 hours	30 days
		30°C	10 hours	20 hours
	<b>YIELD</b> THEORETICALLY	95+/-3 %		
	<b>Dry extract in Volume you Mixed</b>	1,38 +/- 0,1 g/cm³		
	<b>Density of Mix at 20°C</b>	1,70 +/- 0,05 g/cm³		
	<b>Compounds organic Volatiles</b>	EU limit value for this product (cat. A/j): 500 g/l (2010) This product contains a maximum of 185 g/l VOC		

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# EPOXYGUARD BWT 575



## ASPECT

(at 60°)

Bright



## Colors

Blanc Papyrus RAL 9018



## Flash point

BASE: 60°C < PE <= 93°C HARDENER: 55°C < PE <= 60°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. In tropical conditions, contact us.

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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