



Morapox – WP

Product Description

Morapox-WP is a two-component, solventless epoxy based, topside finish, with a very durable polymer structure. Resistance to paraffin, diesel, crude oil, fresh water and sea water is excellent. Since it does not contain any solvent, it is odorless, non-flammable and can be used in closed areas without risk. Can be applied at high film thickness with airless spray. Certified by WRAS for the usage in potable water pipelines.

Intended Uses

It is suitable for interior sides of potable water, sea water and crude oil pipelines and storage tanks. It also creates a good protective layer over concrete surfaces.

Physical Properties

Physical State	: Liquid
Colour	: Oxide Red, Cream, Green
Volume Solid (%)	: ~100
Density	: 1,30 ± 0,05 kg/L
Gloss	: High Gloss
Flexibility	: Good

Application Data

Mixing Ratio (volume)	: 2 units Part A / 1 unit Part B
Mixing Procedure	: Paint temperature should be between 15 °C and 35 °C. Recommended paint temperature is 23 ±2 °C. After adding hardener into the paint, the mixture should be stirred with a power mixer at low speed.
Application Methods	: It is suitable for use with airless spray based on volumetric mixture. A and B components are presented in two different packages.
Application Conditions	: The temperature of the substrate should be minimum 3°C above the dew point of the air. Good ventilation is required. Air temperature should be between 5 °C and +35 °C. During heating of paint, the paint temperature shall not exceed +65 °C.
Thinner/Cleaner	: Not advised. For cleaning purposes, use Moravia 159 Thinner.

Guiding data for airless spray

Pressure at nozzle	: 25-35 MPa
Nozzle tip	: 0,021-0,033"
Spray angle	: 40-80°
Filter	: Check to ensure that filters are clean.

	Dry (µm)	Wet (µm)	Theoretical Coverage (m ² /L)
Typical film thickness	400	400	2,50
Maximum thickness	800	800	1,25

Surface Preparations

All surfaces to be coated should be clean, dry and free from contamination. Oil, grease, and other contaminants must be removed using a suitable detergent and high pressurized water. The surface should be assessed and treated in accordance with ISO 8504.

Steel surface

Blast-cleaning to minimum Sa 2½ (ISO-8501). Surface profile should be between 75-100 microns.

Coated surface

Please contact Moravia office for further information.

Drying Time

for 200 micron DFT

Substrate Temperature	Pot Life (max)	Touch Dry	Hard Dry	Over coating Data	
				Minimum	Maximum
10°C	-	20 hrs	72 hrs	72 hrs	96 hrs
23°C	55 minutes	7 hrs	24 hrs	24 hrs	48 hrs
30°C	-	6 hrs	16 hrs	16 hrs	24 hrs

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

Packing Size : Pail : 14,4 Kg Component A + 5,6 Kg Hardener
Barrel Set : 2 x 285 Kg Component A + 230 Kg Hardener

Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated area and away from source of heat and ignition. Containers must be kept tightly closed.

In case of crystallization of Component A during very low temperature cycles, heat the product up to 50-55 °C and it will be ready for use.

Shelf Life

At recommended storage conditions, 3 years for Component A & 1 year for Component B.

Health and Safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

Disclaimer: The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.