



METAL PLUS^{H2O} 4700 SERIES

DTM Anti-Rust Paint
Semi-gloss fast-dry
100% acrylic

TECHNICAL DATA SHEET

DESCRIPTION

Our **Metal Plus 4700** is the next generation of high quality 100% acrylic water-based paint developed for direct to metal application (DTM). This fast-dry paint provides a hard, semi-gloss finish. Designed specifically to adhere to all well-prepared metal surfaces, for indoor and outdoor use. It is formulated to protect metal from weathering. It was developed to answer the needs of professional painters. **Metal Plus 4700** can be used for commercial, industrial and residential projects.

USE	LIMITATIONS														
This paint is applicable on interior and exterior surfaces. Metal Plus 4700 must be applied to surfaces that have been well prepared and properly primed. It is recommended for metal surfaces such as, doors, fences, roofs, furniture, equipment, machinery, steel containers and ornamental iron. It can also be applied to wood and concrete. Its semi-gloss finish allows for easy cleaning while offering exceptional resistance.	Avoid application in all temperatures under 10°C Do not store at temperatures above 40°C Do not apply under direct sunlight Do not use on flooring Do not tint 4700-0 white Do not apply the tinted bases directly over ferrous metal Wait 7 days before proceeding with the first cleaning Do not mix with other paints														
CHARACTERISTICS	TECHNICAL INFORMATION														
<ul style="list-style-type: none"> The excellent adhesion properties offered by Metal Plus 4700 allow it to be applied on nearly all types of ferrous and non-ferrous metals (view SURFACE PREPARATION and RECOMMENDED PRIMER sections). Its hydrophobic and waterproof properties make it a high-performance product for outdoor use. Due to its resistant and flexible film, Metal Plus 4700 is very resistant to weathering and wear. It contains corrosion inhibitors that considerably slow down the formation of rust. 	<table border="1"> <thead> <tr> <th rowspan="2">DRYING TIME</th> <th>Recoat:</th> <th>To touch:</th> <th colspan="2">Exterior:</th> </tr> <tr> <td>4-6 hours</td> <td>1 hour</td> <th>Bases 0-1-2</th> <th>Bases 4-5</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>Plan for dry weather 8 hours after application</td> <td>Plan for dry weather 24 hours after application</td> </tr> </tbody> </table>	DRYING TIME	Recoat:	To touch:	Exterior:		4-6 hours	1 hour	Bases 0-1-2	Bases 4-5				Plan for dry weather 8 hours after application	Plan for dry weather 24 hours after application
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	At 25° Celsius Relative humidity at 50% May differ depending on the colour														
	SURFACE COVERAGE (for 3.78 L) 37 - 46 m ² (400 - 500 ft ²) May vary depending on the surface porosity														
	Recommended film thickness Wet : 3.2 - 4.0 mils Dry : 1.22 - 1.52 mils														
	Cleaning Soapy water														
	Resin 100% latex acrylic														
	Thinner Water														
	Inflammability No														
	Flash point N/A														
	% of solids by weight 50%														
	% of solids by volume 38%														
	VOC <250 g/L														
	GLOSS 60° 35-45% Semi-gloss 85° 50-60% The value is measured based on the white. The value may vary according to the chosen colour.														

	TINTING BASES	FORMAT		
		946 ml	3,78 L	18,9 L
4700-0	White	X	X	
4700-1	P Base	X	X	max. of 2 oz of colorant / 3,78 L
4700-2	M Base	X	X	max. of 5 oz of colorant / 3,78 L
4700-4	D Base	X	X	max. of 8 oz of colorant / 3,78 L
4700-5	A Base	X	X	max. of 12 oz of colorant / 3,78 L

<p>SURFACE PREPARATION</p> <p>The surface must be dry and clean, without dust, oil, grease, soap or any other contaminant. Mechanical scraping and brushing are necessary to remove all traces of rust and corrosion. On previously painted surfaces, remove paint showing signs of poor adhesion. Roughen smooth and/or glossy surfaces. Dust well. For ferrous metals with hard to reach areas, clean with the metal conditioner 467.</p> <p>Previously painted surfaces: Clean the surface with a cleaner / degreaser (SSPC-SP1), then rub the surface with a mechanical (SSPC-SP2) or electrical (SSPC-SP3) tool to remove any rust, corrosion, scale and any paint showing weak and / or precarious adhesion.</p> <p>Aluminum: Clean the surface with a cleaner / degreaser (SSPC-SP1), then use the 467 metal conditioner. Rinse thoroughly between each step.</p> <p>Ferrous metal: Clean the surface with a cleaner / degreaser (SSPC-SP1), then rub the surface with a mechanical (SSPC-SP2) or electrical (SSPC-SP3) tool to remove any rust, corrosion, scale and calamine.</p> <p>Galvanized steel: Clean the surface with a cleaner / degreaser (SSPC-SP1), then rub the surface with a mechanical tool (SSPC-SP2) to obtain a surface profile of 1 mil. Apply on bare metal the same day.</p> <p>Wood: The surface must be dry and clean. Remove all traces of oil and other contaminants. Wait until the wood has no more than 20% moisture before painting. Use the adequate primer according to the project.</p> <p>Cement/concrete: Allow a cure time of at least 30 days for concrete and cement.</p>	<p>RECOMMENDED PRIMER</p> <p>Non-Ferrous Metal: Apply the Metal Plus H2O 4700 series directly on the surface.</p> <p>Ferrous Metal: Apply a first coat of Metal Plus H2O 4700 white, followed by one or two coats of the colour of your choice.</p> <p>Wood, cement and masonry: Apply the Metal Plus H2O 4700 series directly on the surface.</p> <p><i>If the surface to be primed is not mentioned, please contact an MF Paints distributor for further recommendations.</i></p>
<p>APPLICATION</p> <p>This product is ready to be used and does not require dilution. Mix well before use.</p> <p>Ferrous metal: Preferably, two coats should be applied to obtain a better protection and a uniform finish.</p> <p>Non-ferrous metal: The application of one coat is sufficient to protect the surface, however a second coat will provide a better resistance.</p> <p>Allow a minimum drying time of 4 hours between each coat for pale colours and 6 hours for dark colours. In order to properly cover the surface, it is recommended to use a 10mm lint free roller and a quality synthetic brush. Clean the brushes and rollers with water following their use.</p>	<p>MAINTENANCE</p> <p>Allow a 7 day drying time before proceeding with a first cleaning. Only use mild, nonabrasive cleaners and a soft cloth. Clean the surface using a light, circular motion.</p> <p>STORAGE</p> <p>Store the paint in a dry area and maintain temperature between 10°C and 30°C.</p>
<p>WARRANTY</p> <p>This product will give full satisfaction if applied according to the manufacturer's instructions. Manufacturer's liability is limited to the replacement of the product and does not include manpower if found defective upon inspection.</p>	<p>CAUTION</p> <ul style="list-style-type: none"> • Keep away from children's reach • Keep lid closed when not in use • Avoid freezing • Store in a dry place between 10-30°C

" Contact your municipality to dispose of the container in an environmentally-friendly manner "