

TECHNICAL DATA SHEET

DESCRIPTION

Metal Plus H2O 4700 Is the new generation of high quality 100% acrylic water-based paint direct to metal (DTM). It is a semi-gloss finish for interior and exterior application. It is formulated to protect metal from weathering and corrosion. This professional paint is easy to apply and fast drying. Metal Plus 4700 can be used for commercial, industrial and residential projects.

USE

This paint is designed for ferrous and non-ferrous metal such as galvanize surfaces, can be apply in interior or exterior surface. It is recommended for doors, windows, fences, roofs (minimum tilt of 8-12), siding, metal furniture, equipment, machinery, steel tanks, metal structures as well as ornamental iron. This paint can be used for residential, commercial, and industrial project.

ADVANTAGES

- Excellent adhesion to all types of metal after proper preparation
- UV resistance for exterior application
- Hydrophobic and waterproof properties
- Fast drying
- Hight temperature resistance up to 176oC (350 F)
- 4700-0 white is recommended on rusted metal

LIMITATIONS

- Do not apply on a floor.
- Do not apply on roofs with an angle less than 8-12
- Do not apply in direct sunlight
- Do not add colorants in the white base 4700-0
- Do not mix with other paints

TECHNICAL DATA

Resin	100% Acrylic		
Color	White and Tinted Bases		
Solvent	Water		
Flash Point	N/A		
Inflammability	N/A		
Solids by weight	47		%
Solids by volume	36		%
VOC	<100		g/l
Gloss	60°	45-55	%
Sheen	85°	65-85	%
The value is measured from the white. It may vary depending on the color			
Standards	MPI	Cat. 163 Light Industrial Coating Exterior, Water Based, Semi-Gloss	

APPLICATION DATA

*At 25° Celsius			
Relative humidity at 50%			
May differ depending on the colour			
Spreading Rate	28-37 m ²		
May vary depending on the surface porosity		(300-400sqft)	gallon
Film Thickness	Wet	4,0-5,5	mils
	Dry	1,45-2,0	mils
Drying Time*	Tack free	1	hour
	Recoat	4-6	hours
	Cleaning	30	days
	Final cure	30	days
Application	Brush	√	
	Roller	10	mm
	Spray Airless (Nozzle(0,015-0,019)*)	2000-2500	lb/sqin
*This data may vary depending on the equipment of a manufacturer			
Exterior application and condition	yes		
Bases 0-1-2	No rain expected after application	8	hours
Bases 4-5	No rain expected after application	24	hours
Conservation	Temperature between	10 et 30	°C
Tinted Based	Format		
	946ML	3,78L	18,9L
4700- 0 White	√	√	
4700- 1 Base P	√	√	max. 2 oz of colorant/3,78 L
4700- 2 Base M	√	√	max. 5 oz of colorant/3,78 L
4700- 4 Base D	√	√	max. 8 oz of colorant/3,78 L
4700- 5 Base A	√	√	max. 12 oz of colorant/3,78 L



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SURFACE PREPARATION

The surface must be dry and clean, free from dust, oil, grease, soap and any other contaminants. Mechanical scraping and brushing are necessary to remove all traces of rust and loose corrosion. In addition, for previously painted surfaces, remove paint showing weak and / or precarious adhesion. Frost smooth and / or glossy surfaces. Dust off well. For difficult access ferrous metals area, clean with 467 Metal Conditioner.

Previously painted surfaces: Clean the surface with a cleaner / degreaser (SSPC-SP1), then rub the surface with a mechanical (SSPC-SP2) or electric (SSPC-SP3) tool to remove all traces of rust, corrosion, scale, scale and any paint showing weak and / or precarious adhesion.

Aluminum: Clean the surface with a cleaner / degreaser (SSPC-SP1), then use the 467-metal conditioner. Rinse well between each step.

Ferrous metal: Clean the surface with a cleaner / degreaser (SSPC-SP1), then rub the surface with a mechanical (SSPC-SP2) or electric (SSPC-SP3) tool to remove all traces of rust, corrosion, tart and calamine.

Galvanized steel: Clean the surface with a cleaner / degreaser (SSPC-SP1), then sand the surface with 120-150 grade sandpaper (SSPC-SP2) to obtain a surface profile of 1 mil. Prime bare metal surfaces the same day.

RECOMMENDED PRIMERS

Non-Ferrous Metal: Apply the Metal Plus H₂O 4700 series directly on the surface.

Ferrous Metal: If rusted, apply a first coat of Metal Plus H₂O 4700 white, followed by one or two coats of the colour of your choice. If not rusted then can be applied directly two coats 4700 the colours of your choice.

APPLICATION

This product is ready to use and does not require dilution. Mix well before use.

Ferrous metal: Appropriate surface preparation then 2 coats of Metal Plus H₂O 4700

Ferrous metal with rust: Follow instructions to prepare the surface, then use 4700-0 white as a first coat and 2 coats of 4700 chosen colour

New non-ferrous and galvanized metal: Use 467 metal conditioner then apply 2 coats of Metal Plus H₂O 4700

Allow a minimum drying time of 4 to 6 hours between each coat. It is recommended to use a 10mm anti-tack roller and a quality synthetic fiber brush.

Spray application: See the Application characteristics table.

MAINTENANCE

Allow 30 days drying time before proceeding with a first cleaning. Only use mild, nonabrasive cleaners and a soft cloth. Clean the surface with a light circular movement.

WARRANTY

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.

CAUTION

- 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