

AQUACRON® MV488 SERIES WATER REDUCIBLE ALKYD ENAMEL

HIGHLIGHTS:

- Fast drying
- Recoat same day when using MV447-9303 WR Alkyd Primer
- VOC compliant to 2.8 lbs./gal. (less exempts)
- Excellent application properties
- Sprays well with AA-Airless and electrostatic equipment

RECOMMENDED
TOPCOATS / PRIMERS:

- MV447-9303 WR Alkyd Primer
- MV409-90 WR Alkyd Primer
- MV390-9300 WB Acrylic Primer
- AQUACRON 833 Series Primers
- AQUACRON 835 Series Primers

PRODUCT CODES / COLORS:

MV488-1 / White
 MV488-9 / Black
 Custom Colors

EXAMPLE PRODUCT USES

- Agricultural & construction equipment
- Industrial machinery
- Racking & shelving
- Utility trailers

DESCRIPTION:

The AQUACRON® MV488 Series is a fast drying, water reducible, alkyd enamel suitable for use on bare or primed metal surfaces such as industrial machinery, metal fabrication, construction equipment, utility trailers, cabinets, racking and shelving.

TECHNICAL PROPERTIES:

PROPERTY	METHOD	RESULT
Adhesion	ASTM D3359	5B
Gloss (60° angle)	ASTM D523	90+ units
Humidity Resistance	ASTM D2247	96 hrs.
Pencil Hardness	ASTM D3363	HB
Salt Spray Resistance	ASTM B117	500 hrs. (w/MV447-9303 Primer)

PHYSICAL PROPERTIES:

PROPERTY	VALUE
Coverage (@ 1 mil, no loss)	425 - 490 sq. ft./gal.
Flash Point	105°F
Shelf Life	9 months
VOC	2.8 lbs./gal. (less exempts)
VOE	<1.4 lbs./gal. (average - color dependent)
Volume Solids	28.5 ± 2.5% (color dependent)
Weight per Gallon	9.5 lbs./gal. (approximate - color dependent)
Weight Solids	39% (approximate - color dependent)

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SUBSTRATES:

Aluminum	A fluoird containing pretreatment is required for adhesion
CRS, HRS	A pretreatment will enhance the adhesion & corrosion performance
Galvaneal	Not recommended
Galvanized Steel	Not recommended

CURE SCHEDULE:

To Touch	30 min.
To Handle	1 - 2 hr.
To Recoat	1 hr.
Force Dry	10 - 30 min. @ 150 - 220°F

*assumes 77°F & 50% relative humidity

ADDITIONAL INFO:

- Minimum cure temperature is 50°F
- Parts can be placed outside after overnight dry (16 hours)

SURFACE PREPARATION:

The surface must be clean and free of all contamination. A chemical pretreatment such as PPG Chemfos® KA Cleaner Coater or similar conversion coating and/or suitable primer will improve the adhesion and performance properties of the coating system over cold rolled steel substrates.

APPLICATION DATA:

APPLICATION	INSTRUCTION
Mixing Instructions	Stir thoroughly before using
Wet Film Thickness (mils)	3.5 - 4.0
Dry Film Thickness (mils)	1.0 - 1.3
Reduction Rate	Not normally necessary (if needed up to 5%)
Reducer	Water or Aquathin Refresher TFA880-70
Clean Up	Water or MV398C Equipment Cleaner
Viscosity	20 - 25" Zahn #3 cup (white)

SPRAY APPLICATION:

Spray Application	Spray Equipment	Tip	Fluid Pressure (psi)	Atomization Pressure (psi)	Fluid Nozzle	Air Nozzle
Conventional	Graco Air Pro Gun*	NA	20	52	1.4 mm (0.055")	289-784
Electrostatic	Graco Xs3 Gun*	NA	25	50	1.5 mm (0.055")	24A376
Air Assisted Airless	Graco G15 Gun & Merkur 15:1 Pump*	M409	1050	20	NA	249-596
HVLP	Graco Air Pro Gun*	NA	20	52** (inlet)	1.4 mm (0.055")	289-047
Airless	Graco Ultimate 695*	RAC X FFT-310 (fine finish)	1700	NA	NA	NA

*or equivalent

**atomization pressure should be <10 psi

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For more information contact:

PPG TrueFinish® Industrial Coatings, One PPG Place Pittsburgh, PA 15272, 1-866-PPG-TRUE

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