

488 Series

Water-Reducible Alkyd Enamel

Substrates (Direct)

- Cold rolled steel
- Hot rolled steel

Substrates (Over primer)

- Blasted steel
- Aluminum

Suggested Primers

- Aquacron 833 Series
- Aquacron 835 Series
- Aquacron 447-9303 Series
- Aquacron 8135 Series

End Use Markets

- Trailers
- Metal fabrication
- Industrial machinery
- Custom coaters
- Agricultural equipment
- Metal doors and frames

Product Codes

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

AQUACRON™ 488 Series Water Reducible Alkyd Enamels are fast drying interior/exterior enamels intended for industrial use on bare or primed metal surfaces. This product allows you to create a smooth finish with excellent flow and leveling.

Product Highlights

- Fast drying
- Good exterior durability
- Tap water reduction and clean-up
- No recoat window
- No reportable HAPS
- VOC < 2.80 lbs. /gal. (336 g/L)

Physical Properties

Property	Value
Solids % by weight	29.9 – 42.0
Solids % by volume	26.5 – 28.5
Weight / Gallon	8.4 – 10.20 lbs./gal. (1008 – 1224 g/L)
Coverage @ 1 mil, 100% TE	425 – 458 ft. ² /gal. (39 – 43 m ² /3.785L)
60° Gloss	90
Package viscosity	30 – 40" Zahn #3 Cup
VOC (less water)	2.8 lbs./gal. (336 g/L)
Shelf life	9 months

Performance Properties

Test	Result*
Pencil hardness	HB – F
Conical mandrel (1/8")	Pass
Adhesion	5B, excellent
Salt Spray	150 hours
Humidity	150 hours

*results obtained over iron phosphate CRS panels



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Substrate Protection

The surface must be clean and free of all surface contamination. A chemical pretreatment such as PPG Chemfos® KA Cleaner/Coater or a similar conversion coating will improve the performance properties of the coating system. See your PPG Representative for recommendations.

Cure Schedule

Paint film is not fully cured for 7 days. Drying time listed may vary, depending upon film build, color selection, temperature, humidity and degree of air movement.

Physical Properties

Air Dry Times¹

To Touch	30 min.
To Handle	1 – 2 hrs.
To Topcoat	1 hour

Force Dry Times

Flash Time	10 min. (ambient)
Temperature	150 – 220°F (66 – 104°C)
Time at Temperature	15 – 30 min.

Footnotes

1. Excess film thickness will retard dry times and affect the recoat window. Do not apply at temperatures below 50°F (10°C).

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Mix Directions

Reduction	Water, up to 10% if needed
Line/Flush Clean Up	Soap and water, TFA880-70 or MV389C

Application

Equipment	Conventional, HVLP, air-assisted airless, airless
Recommended Wet Film Build	3.5 – 4.0 mils 89 – 102 microns
Recommended Dry Film Build	1.0 – 1.3 mils 25 – 30 microns

Additional Information

In-Service Temperature: 120° (49°C)

Do not apply at temperatures below 50° (10°C)

Protect from freezing

Not recommended for use on galvanized, Galvaneal or zinc rich surfaces



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