AQUACRON™
488 Series
Water-Reducible Alkyd Enamel

Product Data Sheet

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.

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

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 Times[1]	
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.

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

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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