

AQUACRON™ 880 Series Water Reducible Alkyd Enamel is a fast drying interior/exterior enamel intended for industrial use on bare or primed metal surfaces. This easy to apply, water-based product provides a wide balance of performance properties and is an excellent choice for low VOC applications or where flammability and solvent issues are critical.

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

- Industrial equipment
- Metal fabrication
- Material handling
- Custom coaters
- Building materials

Product Codes

- MV880HC – High gloss clear
- MV880HW – High gloss white
- MV880LC – Low gloss clear

Product Highlights

- Fast drying
- Strong hardness and abrasion resistance
- Good exterior durability
- Tap water reduction and clean-up
- No recoat window
- Available in a wide range of colors and gloss
- No reportable HAPS
- VOC < 2.80 lbs. /gal. (336 g/L)

Physical Properties

Property	Value
Solids % by weight	28.5 – 43.6
Solids % by volume	25.0 – 29.2
Weight / Gallon	8.5 – 10.1 lbs./gal. (1020 – 1212 g/L)
Coverage @ 1 mil, 100% TE	395 – 467 ft. ² /gal. (36 – 44 m ² /3.785L)
60° Gloss	5 – 90
Package viscosity	35 – 60" Zahn #3 Cup
VOC (less water)	2.5 – 2.8 lbs./gal. (300 – 336 g/L)
VOC (actual)	1.1 – 1.4 lbs./gal. (132 – 168 g/L)
Shelf life	1 year

Performance Properties

Test	Result*
Pencil hardness	HB – F
Conical mandrel (1/8")	Pass
Adhesion	5B, excellent
Salt Spray	150 hours
Humidity	250 hours

*results obtained over iron phosphate CRS panels



AQUACRON™ 880 Series

Water-Reducible Alkyd Enamel

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	20 – 40 min.
To Handle	1.5 – 4 hrs.
To Topcoat	30 min.

Force Dry Times

Flash Time	10 min. (ambient)
Temperature	160°F (71°C)
Time at Temperature	10 – 20 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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Rev. 12/16

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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	4.0 – 7.5 mils 102 – 191 microns
Recommended Dry Film Build	1.0 – 2.0 mils 25 – 51 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

