

AQUACRON™ MV447-9303 Water Reducible Alkyd Primer is a fast drying, interior/exterior primer intended for industrial use on bare metal surfaces where an ultra-smooth surface is needed. Formulated with rust inhibitors, this primer delivers strong corrosion resistance when applied over properly prepared substrates.

Substrates

- Cold rolled steel
- Hot rolled steel

Suggested Topcoats

- Aquacron 880 Series
- Aquacron 890 Series
- Aquacron 488 Series

End Use Markets

- HDE equipment
- Fabricated metal
- Industrial equipment
- Transportation
- Agricultural equipment

Product Codes

- MV390-9300

Product Highlights

- Fast dry for quick turnaround
- Good corrosion resistance
- Excellent early water resistance
- Ultra-smooth appearance for high gloss applications
- Ready to spray
- No reportable HAPS
- Reduction and clean-up with tap water
- VOC <2.8 lbs./gal. (336 g/L)

Physical Properties

Property	Value
Solids % by weight	51.3 – 55.3
Solids % by volume	31.0 – 35.0
Weight / Gallon	11.4 lbs./gal. (1371 g/L)
Coverage @ 1 mil, 100% TE	529 – 549 ft. ² /gal. (49 – 51 m ² /3.785L)
60° Gloss	10 – 70
Package viscosity	30 – 45" Zahn #3 Cup
VOC (less water)	2.8 lbs./gal. (336 g/L)
VOC (actual)	1.5 lbs./gal (180 g/L)
Shelf life	9 months

Performance Properties

Test	Result*
Pencil hardness	F-H
Conical mandrel (1/8")	Pass
Adhesion	5B
Salt Spray	500 hours
Humidity	150 hours

*results obtained over iron phosphate CRS panels



AQUACRON™ 447-9303 Series

Water-Reducible Alkyd Primer

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 – 30 min.
To Handle	1 – 2 hours
To Topcoat	1 – 2 hours

Force Dry Times

Flash Time	10 – 20 min. (ambient)
Temperature	150 – 220°F 66 – 104°C
Time at Temperature	10 – 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 8% if needed
Line/Flush Clean Up	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 – 33 microns

Additional Information

In-Service Temperature: 180° (82°C)

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

Protect from freezing

Not recommended for use on galvanized or zinc rich surfaces

