

## 835 Series

## Water-Reducible Alkyd Primer

### Substrates

- Cold rolled steel
- Hot rolled steel

### Suggested Topcoats

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

### End Use Markets

- Structural steel
- Fabricated metal
- Industrial equipment
- Heavy duty equipment
- Custom coaters
- Transportation and trailer

### Product Codes

- QAP835-GRY
- QAP835-ROX
- QAP835-WHT

AQUACRON™ 835 Series Water-Reducible Alkyd Performance Primers are fast drying, interior/exterior primers intended for industrial use on bare metal surfaces where corrosion resistance is needed. *Aquacron* 835 can be utilized across a wide variety of end use markets from office furniture to heavy machinery.

### Product Highlights

- Fast dry for quick turnaround
- Reduction and clean-up with tap water
- Ready to spray
- Excellent corrosion and chemical resistance
- Low odor
- Excellent early water spot resistance
- VOC 2.8 lbs. /gal. (335 g/L)
- No reportable HAPS or heavy metals

### Physical Properties

Property	Value
Solids % by weight	46.0 ± 2.0
Solids % by volume	31.0 ± 2.0
Weight / Gallon	10.1 – 10.3 lbs. /gal. (1212 – 1236 g/L)
Coverage @ 1 mil, 100% TE	465 – 529 ft. <sup>2</sup> /gal. (43 – 49 m <sup>2</sup> /3.785L)
60° Gloss	<10
Package viscosity	93 – 100 Krebs units
VOC (less water)	2.8 lbs. /gal. (335 g/L)
VOC (actual)	1.3 – 1.5 lbs./gal (156 – 180 g/L)
Shelf life	1 year

### Performance Properties

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

\*results obtained over iron phosphate CRS panels



# AQUACRON™ 835 Series

## Water-Reducible Alkyd Performance 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 Times<sup>2</sup>

To Touch	15 min.
To Handle	20 – 30 min.
To Topcoat	After 30 min.

#### Force Dry Times

Flash Time	10 – 20 min. (ambient)
Temperature	Up to 160°F (71°C)
Time at Temperature	10 – 30 min.

### 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	4.8 – 5.5 mils 122 – 140 microns
Recommended Dry Film Build	1.4 – 1.6 mils 36 – 41 microns

### Additional Information

In-Service Temperature: 150° (66°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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