

AQUACRON™ 834 Series Water-Reducible Primer is a fast drying alkyd primer designed for industrial use on bare metal surfaces. Suitable applications include structural steel supports and beams, fabricated metal or industrial machinery.

### 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

### Product Codes

- QAP834-GRY
- QAP834-ROX

### Product Highlights

- Fast dry for quick turnaround
- Ready to spray
- Tap water reduction and clean-up
- Good adhesion
- Contains no heavy metals
- VOC <2.8 lbs. / gal. (336 g/L)

### Physical Properties

Property	Value
Solids % by weight	40.5%
Solids % by volume	27.4%
Weight / Gallon	9.83 ± 0.1 lbs./gal. (1,179.6 ± 12 g/L)
Coverage @ 1 mil, 100% TE	439 ft. <sup>2</sup> /gal. (41 m <sup>2</sup> /3.785L)
60° Gloss	20 – 30
VOC (less water)	2.8 lbs. /gal. (335 g/L)
VOC (actual)	1.3 lbs./gal (180 g/L)
Shelf life	1 year

### Performance Properties

Test	Result*
Pencil hardness	B
Conical mandrel (1/8")	Pass
Adhesion	5B
Salt Spray	200 hours
Humidity	200 hours

\*results obtained over iron phosphate CRS panels



# AQUACRON™ 834 Series

## Water-Reducible 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>1</sup>

To Touch	20 – 30 min.
To Handle	30 – 60 min.
To Topcoat	After 30 min.

#### Force Dry Times

Flash Time	10 (ambient)
Temperature	Up to 160°F (71°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	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

Exterior applications should be selected with caution

Not recommended for use on galvanized or zinc rich surfaces

