

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.

#### 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

#### 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).

The technical data presented is information believed by PPG to be currently accurate; however, no guarantee of accuracy, comprehensiveness or performance is given or implied. Continuous improvements in coating technology may cause future technical data to vary from what is in this document. Product is intended for application by trained personnel in a factory or shop application. Do not attempt to use product without the current Safety Data Sheet. The performance of a product can fluctuate due to surface preparation technique, method of application, operating conditions, the material it is applied to or with, and use. It is strongly recommended that products be tested with respect to these factors prior to full scale use.

Rev. 12/16

Aquacron is a trademark and PPG TrueFinish, Chemfos and the PPG logo are registered trademarks of PPG Industries, Inc. ©2016 PPG Industries, Inc. All Rights Reserved.



PPG TRUEFINISH® Industrial Coatings, One PPG Place Pittsburgh, PA 15272, 1.866.PPG.TRUE

