



AQUACRON® 880 SERIES WATER REDUCIBLE ENAMEL

DESCRIPTION:

AQUACRON 880 SERIES Water Reducible Enamel is a fast drying interior/exterior enamel intended for industrial use on bare or primed metal surfaces. Suitable applications include metal fabrication, utility trailers, industrial machinery, cabinets and shelving.

HIGHLIGHTS:

- ❖ Provides a wide balance of performance properties
- ❖ Fast dry and no recoat window
- ❖ Can be formulated to 2.8 VOC (less water) compliance
- ❖ Available in wide range of colors and gloss
- ❖ Contains no heavy metals
- ❖ Low VOC, low odor
- ❖ Water reduction and clean-up
- ❖ Flashpoint higher than solvent borne coatings

TECHNICAL PROPERTIES*:

PROPERTY	METHOD	RESULT
Color		Wide Variety
Gloss @ 60° Angle	ASTM D523	5 - 90+
Pencil Hardness	ASTM D3363	F - H
Conical Mandrel	ASTM D522	Pass
Adhesion	ASTM D3359	5B – Excellent
Humidity Resistance 200Hrs	ASTM D2247	Good
Salt Spray Resistance 200 Hrs	ASTM B117	Good
Chemical Resistance		Good
Substrates		CRS, HRS, Alum
Recommended Primer		AQUACRON 833, 835

*Results obtained over iron phosphated CRS panel

PHYSICAL PROPERTIES:

PROPERTY	VALUE
Weight per gallon	9.2 ± 0.8 lbs / gallon
Solid % (Weight)	32.0 ± 5%
Solid % (Volume)	27.0 ± 3%
Flash Point	105°F (41°C)
VOC (less water)	2.8 – 3.3 lbs / gallon
Coverage	385 – 481 sq ft / gallon @ 1 mil (no loss)
Shelf Life	12 months

Do not attempt to use this product without the current Material Safety Data Sheet.
Revision Date: 10/2006



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SURFACE PREPARATION:

The surface should be clean and free of all contamination. Chemical treatment or the use of a primer will improve the adhesion and performance properties of the finished coat.

APPLICATION DATA:

Mixing Instructions: Mix thoroughly before and during use
Wet Film Thickness: 4.0 – 7.5 mils
Dry Film Thickness: 1.0 – 2.0 mils
Thinner: Water – up to 5% for conventional spray application
Brush Application: High Quality Natural Bristle Brush
Roller Application: 3/8" Nap Solvent Resistant Core
Clean up: Soap and warm water

SPRAY APPLICATION	SPRAY EQUIPMENT	PRESSURE POT	PRESSURE (PSI)	ATOMIZING AIR (PSI)	TIP
Conventional	Binks 95SL *	¼" Fluid	60	5-7	66 SK
Conventional	Graco Delta Air *	¼" Fluid	60	5-7	.042
Air Assisted Airless	Graco Alpha A.A.*	NA	1000-1500	30-50	.011 - .013

*Or Equivalent

CURE SCHEDULE:

Air Dry @ 77°F: Dry to touch: 20 - 40 minutes
Dry to handle: 1½ - 4 hours
Force Dry: Flash 10 min @ ambient: 10-20 minutes up to 160°F

ADDITIONAL INFORMATION:

- ❖ For application below 60°F, please contact your technical sales/service representative
- ❖ Protect from freezing
- ❖ In-Service Temperature: 120°F
- ❖ Excessive film thickness will retard dry times and can cause a recoat window
- ❖ Poor air movement in drying area will significantly increase dry time of product
- ❖ Product is not recommended for use over galvanized or galvaneal substrates

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It is recommended that the customer should trial the product for adhesion and compatibility using all substrates, surface preparation techniques and application processes in the environment the product will be intended to be used in prior to actual product application.

The technical data presented in this bulletin is based upon information believed by PPG to be currently accurate. However, no guarantees of accuracy, comprehensiveness or performance are given or implied. Continuous improvements in coatings technology may cause future technical data to vary from what is in this bulletin.

