



W43181 SERIES 2K HIGH SOLIDS URETHANE PRIMER

DESCRIPTION:

W43181 Series 2K High Solids Urethane Primer was especially designed to give excellent corrosion resistance and performance over CRS while allowing fast topcoat times with Spectracron series urethane topcoats.

HIGHLIGHTS:

- ❖ Fast topcoat times with Spectracron Series Urethane Topcoats
- ❖ Common catalyst ("B" component) with Spectracron 360
- ❖ Excellent performance and corrosion resistance
- ❖ Chrome and lead free
- ❖ Can be force dried before or after topcoat application

TECHNICAL PROPERTIES*:

PROPERTY	METHOD	RESULT
Color		Gray W43181A; Off White W43181-WHT
Gloss @ 60° Angle	ASTM D523	20-40
Adhesion	ASTM D3359	5B
Humidity Resistance 300Hrs	ASTM D2247	Excellent
Salt Spray Resistance 500 Hrs	ASTM B117	Excellent
Substrates		CRS
Top Coat		Spectracron 300, 360, 380, 390

*Results obtained over iron phosphated CRS panel when properly applied & topcoated with Spectracron 360.

PHYSICAL PROPERTIES:

PROPERTY	Gray W43181A	Off-White W43181-WHT
Weight per gallon	12.4 +/- 0.2 lbs/gal	13.0 +/- 0.2 lbs/gal
Solid % by Weight blended with Q3501	75.8% +/- 3.0%	79.6% +/- 3.0%
Solid % by Volume blended with Q3501	58.2% +/- 2.0%	65.3% +/- 2.0%
Flash Points:		
	91°F (33°C)	91°F (33°C)
SPECTRACRON Q3501	>200°F (93°C)	>200°F (93°C)
VOC (blended) theoretical	2.9 lbs/gal	2.6 lbs/gal
Coverage	Approx 934 sq ft @ 1 mil, no loss	Approx 1047 sq ft @ 1 mil, no loss
Shelf Life	12 months each component	12 months each component



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SURFACE PREPARATION:

The surface must be clean and free of all contamination. Chemical treatment or the use of a conversion coating will improve the adhesion and performance properties of the finished coating system.

APPLICATION DATA:

Mixing Instructions: Gray (W43181A) Mix 9 parts primer to 1 part Q3501 (or 8:1 with GXH1086 for plural component applications)
Off-White (W43181-WHT) Mix 8 parts primer to 1 part Q3501 (or 7:1 with GXH1086 for plural component applications)

Wet Film Thickness: 2.0-3.5 mils WFT
Dry Film Thickness: 1.0-1.8 mils DFT
Thinner: None required
Clean up: Ketones or Aromatics
Pot Life: 1 - 2 hours

SPRAY APPLICATION	SPRAY EQUIPMENT	PRESSURE POT	PRESSURE (PSI)	ATOMIZING AIR (PSI)	TIP
Conventional	Binks 2001 *	NA	50	50	66SD
Conventional	Graco Delta Air *	¼" Fluid	10	60	.042
HVLP	Binks 2001 HVLP *	NA	50	15	NA

*Or Equivalent

CURE SCHEDULE: Air Dry @ 77°F:

Dry to touch: 30 - 45 minutes
Dry to handle: 1 - 2 hours
To Recoat: After 10 min., but before 6 hrs. air dry @ 77°F. After 6 hours, sanding is required
Dry to topcoat: After 10 minutes, but before 8 hours. After 8 hours, sanding is required.
Force Dry: 10 minutes ambient flash; up to 160°F for 20 minutes

ADDITIONAL INFORMATION:

- ❖ If force drying the primer before applying a topcoat, then sanding is required before topcoating.
- ❖ Higher ambient temperatures than 77°F will begin decreasing recoat and topcoat times to 4 hours (@ 90°F)
- ❖ When applying at ambient temperatures below 50°F (10°C), then contact your sales/service representative for further information
- ❖ Surface temperature MUST be at least 5°F (3°C) above the dew point

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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.

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