PPG TrueFinish®
Industrial Coatings

SPECTRACRON® 390-UV 2K HS EXTERIOR ACRYLIC POLYURETHANE

DESCRIPTION:

SPECTRACRON 390-UV is a 2-component high solids exterior acrylic polyurethane. The product offers our best exterior color & gloss retention as well as excellent mar and chemical resistance when catalyzed with Q3501 or GXH1086 exterior catalysts.

HIGHLIGHTS:

- Superior exterior color and gloss retention
- Excellent mar & chemical resistance
- Excellent salt spray & humidity
- Low VOC ≤3.5# / gallon
- No reportable HAPS or SARA 313 constituents
- Contains no heavy metals

TECHNICAL PROPERTIES*:

PROPERTY	METHOD	RESULT
Color		Wide Variety
Gloss @ 60° Angle	ASTM D523	20 - 90
Pencil Hardness	ASTM D3363	H - 2H
Conical Mandrel	ASTM D522	Pass 180°, 1/8" Mandrel
Adhesion	ASTM D3359	5B Excellent
Humidity Resistance	ASTM D2247	1000 Hours No effect
Salt Spray Resistance	ASTM B117	1000, 3-5mm creepage, no blistering delamination or creepage
QUV-A	ASTM D4587	90% Retention @ 1100 hours (60° gloss)
QUV-B (simulates exterior exposure)	ASTM D4587	80% Retention @ 1100 hours (60° gloss)
Chemical Resistance	24 hr spot test	Excellent resistance to strong alkali, dilute acids, oils & solvents
Abrasion Resistance		Excellent
Substrates		CRS, HRS, pretreated aluminum & galvanized
Recommended Primers		Spectracron 501,521,531,560, 571, W43181 Series

*Results obtained over CRS panels primed with Spectracron W43181A and catalyzed with Q3501 / GXH1086.

PHYSICAL PROPERTIES:

PROPERTY	BLENDED
Weight per gallon (lbs/gallon)	9.5 ± 0.5
Solid % (Weight)	65 ± 5%
Solid % (Volume)	57 ± 5%
Flash Point	
SPECTRACRON 390-UV	85°F (29°C)
SPECTRACRON Q3501	355°F (179°C)
GXH1086	102°F (39°C)
VOC	3.5 lbs/gallon (maximum)
Coverage @1 mil-no loss	834 – 994 sq ft
Shelf Life – Each Component	12 months

Do not attempt to use this product without the current Material Safety Data Sheet.
Revision Date: 12/2006

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SURFACE PREPARATION:

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

APPLICATION DATA:

APPLICATION	BLENDED
Mixing Instructions, low to intermediate gloss product	Mix 6 parts SPECTRACRON 390 Component A to 1 part SPECTRACRON 3501 Component B by volume. Mix thoroughly
Mixing Instructions, high gloss product	Mix 5 parts SPECTRACRON 390 Component A to 1 part SPECTRACRON 3501 Component B by volume. Mix thoroughly
Mixing Instructions, Plural Component Spray Equipment	Set mix ratio to 4 parts SPECTRACRON 390 Component A to 1 part GXH1086 Component B by volume
Wet Film Thickness	2.5 – 4.5 mils
Dry Film Thickness	1.5 – 2.5 mils
Thinner	Fast: TFS309-30; Medium: TFS309-60; Slow: TFS309-80; Very Slow: TFS309-90 or TFS360-70 (to maintain FP above 100°F)
Clean up	Ketone Solvents
Pot Life @ 77ºF	1.5 – 2.5 hours

SPRAY APPLICATION	SPRAY EQUIPMENT*	FLUID PRESSURE (PSI)	ATOMIZATION PRESSURE (PSI)	FLUID NOZZLE	AIR NOZZLE
Conventional	DeVilbiss MBC-510	8-10	45-55	FF	797
Conventional	Binks – 2001 or 95	8-10	45-55	63C	63PE
Airless	Graco Silver Gun	1800-2400	NA	.011 to .015"	NA
Air Assisted Airless	Graco Alpha Plus	900-1200	20-40	.011 to .015"	Alpha
HVLP	DeVilbiss – JGHV*	8-10	55-60	FF	#46 MP

*Or Equivalent

CURE SCHEDULE Air Dry @ 77°F @ 1 Mil DFT	BLENDED
Dry to touch	1-2 hours
Dry to handle	4 hours
To Recoat	1-2 hours
Force Dry	Flash 10 min. @ ambient: 20 min. @ 180°F

ADDITIONAL INFORMATION:

- For application below 50°F, please contact your technical sales/service representative
- After 24 hours, mechanically abrade the surface before recoating
- In-Service Temperature: 200°F (maximum)
- Avoid moisture contamination of the SPECTRACRON 3501 and GXH1086 Components
  Moisture can gel the material and affect performance properties
- In general, accelerators not required

CONTACT 1-866-PPG TRUE

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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