



## IMRON® ELITE EXPRESS SINGLE STAGE 3.5 VOC POLYURETHANE ENAMEL TOPCOAT

### TYPE

Imron® Elite Express Single Stage is a high-performance, low VOC (<3.5 lbs/gal RTS), two-component single stage, polyurethane enamel.

### DESCRIPTION

Imron® Elite Express SS is designed to deliver the premium quality and performance of Imron® Polyurethane Enamel at a maximum applied VOC of 3.5 lbs/gal. The Imron® Elite Express SS line includes factory package and mixing machine capability. Imron® Elite Express SS is lead- and chrome-free.

### SUGGESTED USES

A high-gloss, extremely durable, chemical and solvent resistant air-dry enamel that is available in both solid and metallic colors. It is an extremely versatile product and is recommended for use on commercial vehicles, trucks, trailers and other applications where superior performance and appearance is required.

### NOT RECOMMENDED FOR

- Immersion service
- Use over lacquer finishes

### COMPATIBILITY WITH OTHER COATINGS

- Compatible with all DuPont OEM Primer systems

### DRY FILM CHARACTERISTICS

Chemical Resistance	EXCELLENT
Weatherability	EXCELLENT
Humidity Resistance	EXCELLENT
Acid Resistance	EXCELLENT
Alkali Resistance	EXCELLENT
Solvent Resistance	VERY GOOD
Abrasion Resistance	EXCELLENT
Flexibility	EXCELLENT

### MAXIMUM SERVICE TEMPERATURE

- 200°F (92°C) in continuous service

### VOLUME SOLIDS – WILL VARY WITH COLOR SELECTED

- 46.5% average unactivated
- 51.9% average RTS mixed 3:1 w/DuPont 196S™ Activator

### WEIGHT SOLIDS – WILL VARY WITH COLOR SELECTED

- 57.9% average unactivated
- 62.0% average RTS mixed 3:1 w/DuPont 196S™ Activator

### WEIGHT PER GALLON (UPDATED)

- 9.18 lbs/gal average unactivated

### SUGGESTED DRY FILM THICKNESS

- 1.8 – 2.2 mils

### THEORETICAL COVERAGE PER GALLON

- 833 sq. ft./gal average @1mil DFT

### GLOSS

- High
- PowerTint PT196™ Flattener Additive is available to obtain lower gloss if desired.

### COLOR

- Available in solid or metallic colors

### FLASH POINT (CLOSED CUP)

- Below 80°F (27°C)

### SHELF LIFE

- 12 months minimum

### APPLICATION SOLVENTS

Ready-to-spray below 3.5 lbs/gal VOC upon activation. Further reduction may result in greater than 3.5 VOC.

### CLEANUP SOLVENTS

- DuPont™ 3602S™ Thinner
- DuPont™ 7285S™ Reducer

### ACTIVATION (MIX RATIO)

Add 3 parts Imron® Elite Express SS with 1 part DuPont™ 196S™ Activator and mix thoroughly. Filter material prior to spray application. To the activated gallon, add up to 2 oz. MasterTint® 189S™ Accelerator or MasterTint® 389S™ Accelerator to extend pot life. (Note: MasterTint® 8989S™ will shorten pot life.)

Activated product will have a viscosity of 10 – 18 seconds in a Zahn 3 cup, depending on color.

### INDUCTION TIME

- No induction time required



# DuPont CoatingSolutions Technical Data Sheet

## POT LIFE

- 1 hour at 70°F (21°C)
- 2 hours at 70°F (21°C) with 2 oz DuPont™ 189S™ per activated gallon
- 1 – 1.5 hours at 70°F (21°C) with 2 oz MasterTint® 389S™ per activated gallon
- 45 minutes at 70°F (21°C) with 1 oz MasterTint® 8989S™ per activated gallon

## ADDITIONAL COMMENTS

- Heating activated material above 110°F (43°C) will cause gelation.
- When recoating Imron® Elite Express SS™ with itself, sanding is required if the enamel has air dried more than 16 hours or has been force dried.

## APPLICATION CONDITIONS

Do not apply if material, substrate or ambient temperature is less than 50°F (10°C) or above 110°F (43°C). The substrate must be at least 5°F (3°C) above the dew point. Relative humidity should be below 90%.

## APPLICATION

- Thoroughly mix Imron® Elite Express SS prior to activation.
- Pressure pot application is recommended for best color match and performance.
- For pressure pot application set air pressure at 55 – 60 psi at the gun for solid colors and effect colors. Fluid delivery should be set for 10 – 12 fluid oz/min.
- For siphon gun application, set air pressure to 50 – 55 psi at the gun for solid and effect colors.
- Apply Imron® Elite Express SS using a cross-coat technique. Spray a wet first coat using a top-to-bottom motion. Spray a medium-wet second coat using a side-to-side motion. Flash times between coats will vary between 30 seconds and 5 minutes. In general, the shorter the flash the smoother the appearance.
- In case of fish eyes, use 1 oz DuPont™ 359S™ Paint Additive per ready-to-spray gallon in Imron® Elite Express SS for solid colors, or 1 oz. DuPont™ VG-F-70050™ for metallic colors. Do not use FEE.
- Purge lines with DuPont™ 3602S™ Thinner or DuPont™ 7285S™ Reducer.

## CURE TIME AT RECOMMENDED

### THICKNESS – 77°F (25°C)& 50% RH

	W/out Accelerator	W/ 389S™ Accelerator @ 2 oz per RTS gallon
Dry to touch	0.5 - 1.5 hr	30 - 45 min
Tack Free	1 - 2 hr	45 - 60 min
Tape Free	3 - 6 hr	2 - 4 hr
Dry to assemble	6 hrs to overnight	3 - 8 hrs

Product may be force dried 30 min at 120 -140°F (50-60°C) after a flash time of 15 minutes following application of final coat.

## APPLICATION EQUIPMENT

- Pressure Pot (recommended)
- Gravity Feed
- HVLP
- Siphon Feed
- Air-Assisted Airless
- Airless

## ENVIRONMENTAL

VOC content (lbs/gal)	LE	AP
Imron® Elite Express SS EA	3.8	3.8
RTS mixed 3:1 w/ DuPont™ 196S™	3.5	3.5

## FOR VOC REGULATED AREAS

These directions refer to the use of products that may be restricted or require special mixing instructions in your area. Follow recommendations in the DuPont Compliant Products Chart for your area.

## SAFETY AND HANDLING

DuPont is committed to helping you develop and maintain a safe working environment. Carefully read the specific warnings and precautions printed on the labels of all DuPont products before handling and using. These products are for industrial use by trained professional painters only.

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