

DuPont™ Imron® Elite Express 8420S™ Clearcoat



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DuPont Coating Solutions



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System Description

Unparalleled Productivity.

Imron® Elite Express 8420S™ is a highly productive, two-component polyurethane, low VOC clear coat designed for use with the Imron® Elite Express basecoat system. The 8420S™ clear coat has excellent gloss and appearance, is extremely durable and provides exceptional resistance to chemicals, solvents and environmental attack. This easy-to-use clear has good flow-out, excellent sag resistance and is recommended for accounts with air-dry or force-dry capabilities. When air-dried at 70°F, 8420S™ is dry-to-touch in 30 minutes. When force-dried, it delivers even faster dry-to-touch times.

Key features:

- Highly productive, two component clear coat.
- Ideal for spot and panel repairs.
- Ideal for shops with air-dry or force-dry capabilities.

Unparalleled Quality.

The Imron® Elite Express system makes it faster and easier for repair shops to recreate an exceptional factory finish – even under the most demanding production deadlines. Additionally, lower viscosity colors make a superior Imron® Elite Express finish even easier to apply with standard shop equipment, saving both time and money.

Unparalleled. Period.

DuPont CoatingSolutions has earned more commercial and OEM approvals than any other manufacturer. When you choose Imron® Elite Express, you get more than paint. You get the industry benchmark in color, appearance and productivity. While some manufacturers make similar claims for their finishing products, only DuPont™ Imron® has a proven history of durability, high quality and innovation.

Not Recommended For

- Immersion service
- Not for use over Imron® family topcoats other than Imron® Elite Express BC basecoat
- Not for use over alkyd enamels, acrylic enamels, or lacquer finishes

Compatibility with Other Coatings

- Imron® Elite Express 8420S™ Clear coat is recommended for use over Imron® Elite Express BC basecoat systems.

Theoretical Coverage Per Gallon

- 757 sq ft/gal @ 1 mil DFT RTS mixed 2:1 with DuPont™ 8405S™.

Activation

- Stir thoroughly prior to activation to ensure uniform mixture. Mix 2 parts Imron® Elite Express 8420S™ Clear coat with 1 part DuPont™ 8405S™ Activator or DuPont™ 8407S™ Slow Activator and mix thoroughly. Filter material prior to spray application.
- Up to 2 oz MasterTint® 389S™ Accelerator may be added per gallon to extend pot life. 389S™ will also improve dry time when air-drying.

Induction Time

- No induction time is required.

Pot Life

- 1 hour at 70°F (21°C)
- 1.5 hours at 70°F (21°C) with Accelerator

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) below the dew point. Relative humidity should be below 90%.

Application

- Thoroughly mix Imron® Elite Express 8420S™ Clear coat prior to activation. Filter activated material.
- To 2 parts Imron® Elite Express 8420S™ Clear coat, add 1 part DuPont™ 8405S™ Activator or DuPont™ 8407S™ Slow Activator. Spray viscosity should be 12 – 14 seconds using a Zahn #3 cup.
- Allow Imron® Elite Express BC Basecoat to dry 30 minutes prior to clear coat application.
- Apply 2 medium wet coats of mix Imron® Elite Express 8420S™ Clear coat. Allow clear coat to tack between coats, approximately 8 – 10 minutes time.

- Imron® Elite Express 8420S™ Clear coat is recommended to have a dry film build of 1.8 – 2.5 mils.
- For pressure pot equipment use 45 – 55 PSI atomizing air pressure at the gun with a fluid delivery of 10 – 12 fluid ounces per minute.
- Optimum Polishing Times are 2 – 48 hours after cool down if force dried, or between 16 – 48 hours of air-dry at 70°F (21°C).
- NOTE: Allowing air flow to continue in the booth for at least one hour following application of the clear coat in air-dry situations is recommended.

Cure Time at Recommended Thickness – 77°F (25°C) and 50% RH

	Without Accelerator	With Accelerator
Dry to Touch	1-2 hours	30-45 minutes
Tack Free	1-2 hours	30-45 minutes
Tape Free	12-24 hours	4-6 hours
Dry to Assemble	24 hours	6 hours

Product may be force dried for 20 - 30 min @140-160°F (60-71°C). Purge time before force dry is 10-15 minutes.

Application Equipment

- Pressure Pot
- Gravity Feed Gun
- Suction Spray

Environmental

VOC content (lbs/gal)	LE	AP
8420S™ Clear coat	3.8	3.4
RTS mixed 2:1 w/ 8405S™	3.5	3.3

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 or using. These products are for industrial use by trained professional painters only.