



## DuPont™ ChromaPremier® 42400S™/ 42410S™/42440S™/42470S™ 2K Premier Sealer

### Description

ChromaPremier® 42400S™ /42410S™/42440S™/42470S™ 2K Premier Sealer is a three-component, high-performance sealer for premium-quality spot, panel and overall repairs. It provides excellent leveling and topcoat holdout. For added productivity, this sealer allows you the option of “finesse” finish sanding. This sealer uses DuPont® ValueShade™ technology to promote faster topcoat hiding in fewer coats, and better matches.

### General Information



#### Components

ChromaPremier® 42400S™ 2K Translucent Sealer  
 ChromaPremier® 42410S™ 2K Premier Sealer (White) ValueShade® 1  
 ChromoPremier® 42440S™ 2K Premier Sealer (Medium Gray) ValueShade®4  
 ChromaPremier® 42470S™ 2K Premier Sealer (Dark Gray) ValueShade®7  
 ChromaPremier® 12305S™ Activator  
 ChromaPremier® 42455S™ Low Temp Reactive Reducer  
 ChromaPremier® 42475S™ Mid Temp Reactive Reducer  
 ChromaPremier® 42495S™ High Temp Reactive Reducer

### ValueShade™ Instructions for Use

Use VS1, VS4 and VS7 as packaged. To create VS2, VS3, VS5, or VS6, mix as shown below. Agitate thoroughly prior to activation.

ValueShade®	Mix	Undercoat	Ratio
VS1 (White)	--	ChromaPremier® 42410S™	--
VS2	VS1:VS4	ChromaPremier® 42410S™:42440S™	2:1
VS3	VS1:VS4	ChromaPremier® 42410S™:42440S™	1:2
VS4 (Medium Gray)	--	ChromaPremier® 42440S™	--
VS5	VS4:VS7	ChromaPremier® 42440S™:42470S™	2:1
VS6	VS4:VS7	ChromaPremier® 42440S™:42470S™	1:2
VS7 (Dark Gray)	--	ChromaPremier® 42470S™	--

After creating the desired ValueShade® activate and reduce.



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### Mix Ratio/Viscosity

Combine the components by column or weight, and then mix thoroughly.

	Volume	Weight (cumulative qt.)
<b>ChromaPremier® 42400S™ Sealer</b>	4	703.5 grams
ChromaPremier® 12305S™ Activator	1	851.0 grams
ChromaPremier® 42475S™ Reducer	1.5	1052.1 grams
<b>ChromaPremier® 42410S™/42440S™/42470S™ Sealer</b>	4	896.4 grams
ChromaPremier® 12305S™ Activator	1	1050.4 grams
ChromaPremier® 42475S™ Reducer	1.5	1251.6 grams

### Viscosity

18-22 seconds in a Zahn #2 (DuPont M-222) cup

### Tips for Success

It is critical to use the full amount of Reactive Reducer to ensure product performance.

### Pot Life

1 hour at 70° F (21 ° C).



### Additives

Accelerator:	Not recommended
Fish Eye Eliminator:	Not recommended
Retarder:	Not recommended
Flex Additive:	Plas-Stick® 2350S™ Flexible Additive

<u>Undercoats</u>	<u>Volume</u>	<u>Weight (cum. pt.)</u>
<b>ChromaPremier® 42400S™</b>	3	264.0 g
ChromaPremier® 12305S™	1	337.0 g
ChromaPremier® 42475S™	1.5	438.0 g
Plas-Stick® 2350S™	1	508.0 g
<b>ChromaPremier® 42410S™</b>	3	385.3 g
ChromaPremier® 12305S™	1	462.2 g
ChromaPremier® 42475S™	1.5	562.6 g
Plas-Stick® 2350S™	1	633.1 g
<b>ChromaPremier® 42440S™</b>	3	335.1 g
ChromaPremier® 12305S™	1	412.0 g
ChromaPremier® 42475S™	1.5	512.4 g



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Plas-Stick® 2350S™	1	582.9 g
<b>Undercoats</b>	<b>Volume</b>	<b>Weight (cum. pt.)</b>
<b>ChromaPremier® 42470S™</b>	3	336.7 g
ChromaPremier® 12305S™	1	413.6 g
ChromaPremier® 42475S™	1.5	514.0 g
Plas-Stick® 2350S™	1	584.5 g

**Tinting:** Ready to spray ChromaPremier® 42400S™ can be tinted up to 10% by volume with DuPont™ MasterTint®

### Tips for Success

Keep film Builds to a minimum on flexible parts.

### Topcoats

ChromaPremier® Basecoat  
ChromaPremier® Single Stage  
ChromaBase® Basecoat  
ChromaOne® Single Stage

### Application



#### Substrates

Properly sanded OEM finishes and OEM replacement parts  
Direct to Variprime® 615S™  
Properly sanded DuPont™ Uro® 1120S™/1140S™ Primer-Filler  
Direct to DuPont™ 1101S™/1104S™/1107S™ 2K Urethane Primer-Filler  
Direct to ChromaPremier® 22860S™ Etch Primer  
Direct to ChromaPremier® 32430S™ 2K Premier Primer  
Fiberglass, SMC

### Tips for Success

ChromaPremier® Sealer is not intended for use direct to metal, except for minor styling line cut-throughs.

### Surface Preparation



- Clean Painted surfaces thoroughly with mild detergent and water.
- For substrates other than unprimed plastic or fiberglass, wipe surface with DuPont® 3900S™ First Klean, Prep-Sol® 3919S™ or DuPont® 3949S™ Kwik Clean. For unprimed plastic or fiberglass, wipe with Plas-Stick® 2320S™ Plastics Cleaner.
- Repair and primes areas as required.
- Finish sanding substrate with a minimum of P400 DA grit or P600 grit dry or wet.



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- For substrates other than plastic or fiberglass, remove sanding sludge with DuPont Final Klean 3901S™, DuPont 3939S™ Lacquer and Enamel Cleaner, or DuPont® Low VOC 3909S™ Final Klean. For unprimed plastic or fiberglass, use Plas-Stick® 2320™ Plastics Cleaner.
- Apply 2 medium coats of Variprime® 615S™ or Variprime® 625S™ Lean- and Chromate-Free or ChromaPremier® 22860S™ Etch Primer to large areas of bare steel. For aluminum, treat with DuPont 225S™ followed by DuPont 226S™ and apply 1 coat of Variprime™.

### Gun Setups\*



#### Conventional

Siphon Feed:	1.6 mm - 1.8 mm (.063" - .070")
Gravity Feed:	1.5 mm - 1.8 mm (.059" - .070")

#### HVLP

Siphon Feed:	1.2 mm - 1.8 mm (.047" - .070")
Gravity Feed:	1.2 mm - 1.8 mm (.047" - .070")

### Air Pressure\*



#### Conventional

	Spot or Panel	Overall
Siphon Feed:	30-45 psi @ the gun.	40-45 psi @ the gun
Gravity Feed:	25-35 psi @ the gun.	35-40 psi @ the gun

#### HVLP

Siphon Feed:	6-8 psi @ the gun cap.	8-10 psi @ the gun
Gravity Feed:	6-8 psi @ the gun cap.	8-10 psi @ the gun

\*The listed setups cover the usual range for various application equipment. For information on specific manufacturer's equipment, see the Equipment Information Section of the Dupont Chromasystem™ Technical Manual.

### Application



Apply 1 medium-wet coat.

#### Tips for Success

*Normally, only 1 coat of seal is needed. However, for sensitive substrates (e.g., LDL or OEM delaminations) 2 coats can provide better holdout.*



#### Flash/Dry Times

	1 Coat	2 coats
Flash between Coats	N/A.	15 minutes.
<i>Air Dry @ 70°F</i>		
Nib Sanding	15 - 30 minutes.	30 - 40 minutes.
Top coating:	20 - 30 minutes.	30 - 40 minutes.
<i>Force Dry</i>		
Flash before Force Dry:	0 - 10 minutes.	0 - 10 minutes.
Cycle Time:	10 minutes @ 140°F (60°C).	15 minutes @ 140° F (60°C).
Cool Down:	20 minutes.	20 minutes.
<i>Infrared Dry</i>	Refer to the Infrared Guide for setup recommendations.	



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### **Tips for Success**

Cooler temperatures or more coats will require longer flash times.

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### **Recoatibility/Re-repair**

When recoating ChromaPremier® Sealer with itself or topcoating, sanding (400 DA or P500 grit dry or wet) is required if the sealer has been allowed to dry more than 16 hours.

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### **Cleanup**

Clean spray equipment immediately after use with DuPont Lacquer Thinner.

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### **Physical Properties**

VOC: 4.6 lbs./gal ready-to-spray

Theoretical coverage: 621 sq.ft, per ready-to-spray gallon at 1 mil.

Weight Solids: 58.7% ready-to-spray.

Volume Solids: 38.7% ready-to-spray.

Recommended Dry Film Thickness: 0.8 – 1.2 mils in 1 coat.

Flash Point: See MSDS.

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### **VOC Regulated Areas**

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

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### **Safety and Handling**

Before using any DuPont Refinish product, be sure to read all safety directions and warnings. WEAR A POSITIVE-PRESSURE, SUPPLIED-AIR RESPIRATOR (NIOSH APPROVED TC-19C), EYE PROTECTION, GLOVES, AND PROTECTIVE CLOTHING WHILE MIXING ACTIVATOR WITH PAINT, DURING APPLICATION AND UNTIL ALL VAPORS AND SPRAY MIST ARE EXHAUSTED. Follow respirator manufacturer's directions for respirator use. INDIVIDUALS WITH HISTORY OF LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES SHOULD NOT USE OR BE EXPOSED TO VAPOR OR SPRAY MIST. Do not permit anyone without protection in the painting area.

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