CHROMAPREMIER®
42400S™ / 42410S™ / 42440S™ / 42470S™ 2K PREMIER SEALER

GENERAL

DESCRIPTION

A three-component, high-performance sealer for premium-quality spot, panel and overall repairs. It provides excellent leveling and topcoat holdout and uses ValueShade® technology to promote faster topcoat hiding in fewer coats and better matches.

The products referenced herein may not be sold in your market. Please consult your distributor for product availability.

MIXING

COMPONENTS

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

TOPCOATS

ChromaPremier® Basecoat
ChromaPremier® Single Stage Topcoat
ChromaBase® Basecoat

VALUESHADE® INSTRUCTIONS FOR USE

Use VS1, VS4 and VS7 as packaged or mix to create VS2, VS3, VS5, or VS6 per below. After creating the desired ValueShade®, agitate thoroughly, activate and reduce.

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

MIX RATIO

Combine the components by column or weight (cumulative qt.). Mix thoroughly.

Component	Volume	Weight
42400S™ 2K Premier Sealer Translucent	4	656.7 grams
12305S™ Activator	1	805.2 grams
42475S™ Mid Temperature Reducer	1.5	1006.2 grams
42410S™ 2k Premier Sealer	4	931.6 grams
12305S™ Activator	1	1080.1 grams
42475S™ Mid Temperature Reducer	1.5	1281.1 grams
42440S™ 2k Premier Sealer	4	897.4 grams
12305S™ Activator	1	1045.6 grams
42475S™ Mid Temperature Reducer	1.5	1246.9 grams

42470S™ 2K Premier Sealer	4	894.6 grams
12305S™ Activator	1	1043.1 grams
42475S™ Mid Temperature Reducer	1.5	1244.1 grams

VISCOSITY
18-22 seconds in a Zahn #2 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™ Flex Additive by volume or weight (cumulative pt.) per below

Undercoats	**Volume**	**Weight**
42400S™	3	264.0 g
12305S™	1	337.0 g
42475S™	1.5	438.0 g
2350S™	1	508.0 g
42410S™	3	349.4 g
12305S™	1	423.6 g
42475S ™	1.5	524.1 g
2350S™	1	594.1 g
42440S™	3	336.5 g
12305S™	1	410.7 g
42475S™	1.5	511.2 g
2350S™	1	581.2 g
42470S™	3	335.5 g
12305S™	1	409.7 g
42475S ™	1.5	510.2 g
2350S™	1	580.2 g

TINTING
RTS ChromaPremier® 42400S™ 2K Premier Sealer Translucent can be tinted up to 10% by volume with MasterTint®.

Tips for Success
Keep film Builds to a minimum on flexible parts.

APPLICATION

SUBSTRATES
Properly sanded OEM finishes and OEM replacement parts
Direct to Variprime® 615S™ Self-Etching Primer
Direct to 22880S™ Low VOC Etch Primer
ChromaPremier® Pro 33430S™ Productive Primer Sealer
Fiberglass, SMC

Tips for Success
ChromaPremier® 42400S™ / 42410S™ / 42440S™ / 42470S™ / 2K Premier Sealer is not intended for use direct to metal, except for minor styling line cut-throughs.

SURFACE PREPARATION

For Painted Substrates

- Clean Painted surfaces thoroughly with mild detergent and water.
- For substrates other than unprimed plastic or fiberglass, wipe surface with First Klean™ 3900S™ Surface Cleaner, Prep-Sol® 3919S™ Cleaning Solvent or 3949S™ Low VOC Cleaner. For unprimed plastic or fiberglass, wipe with Plas-Stick® 2320S™ Flexible Parts Cleaner (polyolefin or nonpolycarbonate) or 2319S™ Surface Cleaner (polycarbonate).
- Refer to the ChromaSystem™ Technical Manual for procedures to prepare plastic or fiberglass parts.
- Repair and prime areas as required.
- Finish sanding substrate with a minimum of P400 DA grit dry or P600 grit wet.
- For substrates other than plastic or fiberglass, remove sanding sludge with First Klean™ 3900S™ Surface Cleaner, Prep-Sol® 3919S™ Cleaning Solvent or 3949S™ Low VOC Cleaner. For unprimed plastic or fiberglass, use Plas-Stick® 2320S™ Flexible Parts Cleaner (polyolefin or nonpolycarbonate) or 2319S™ Surface Cleaner (polycarbonate).
- Apply 2 medium coats of Variprime® 615S™ Self-Etching Primer or one coat of 22880S™ Low VOC Etch Primer to large areas of bare steel. For aluminum, treat with 225S™ Aluminum Cleaner followed by 226S™ Aluminum Metal Cleaner and apply 1 coat of Variprime® 615S™ Self-Etching Primer.

For OEM Replacement E-Coated Parts

- Clean surface thoroughly with mild detergent and water.
- Thoroughly clean with Final Klean™ 3901S™ Surface Cleaner or 3939S™ Lacquer and Enamel Cleaner and a scuff pad.
- Remove all sludge with the above cleaners before sealing.
- Apply 2 medium coats of Variprime® 615S™ Self-Etching Primer or one coat of 22880S™ Low VOC Etch Primer to large areas of bare steel. For aluminum, treat with 225S™ Aluminum Cleaner followed by 226S™ Aluminum Metal Cleaner and apply 1 coat of Variprime® 615S™ Self-Etching Primer.

GUN SETUPS*

Compliant	
Siphon Feed:	1.4 mm-1.6 mm
Gravity Feed:	1.3 mm-1.6 mm
HVLP	
Siphon Feed:	1.2 mm-1.6 mm
Gravity Feed:	1.2 mm-1.6 mm

AIR PRESSURE*

Compliant	Panel	Overall
Siphon Feed:	30-45 psi at the gun	40-45 psi at the gun
Gravity Feed:	25-35 psi at the gun	35-40 psi at the gun
HVLP		
Siphon Feed:	6-8 psi at the gun cap	8-10 psi at the gun cap
Gravity Feed:	6-8 psi at the gun cap	8-10 psi at the gun cap

The listed setups cover the usual range for most application equipment.

APPLICATION

Apply 1 medium-wet coat. If applying two coats, flash 15 minutes between coats.

Tips for Success
Normally only 1 coat of sealer is needed. However, for sensitive substrates (e.g., LDL or OEM delamination) 2 coats will provide better holdout.

CLEANUP
Clean spray equipment as soon as possible with lacquer thinner.

DRY TIMES

AIR DRY AT 70°F (21°C)	1 Coat	2 coats
Nib Sanding:	15-30 minutes	30-40 minutes
Top coating:	20-30 minutes	30-40 minutes

FORCE DRY	1 Coat	2 coats
Flash before Force Dry:	0-10 minutes	0-10 minutes
Cycle Time:	10 minutes at 140°F (60°C)	15 minutes at140°F (60°C)
Cool Down:	20 minutes	20 minutes

INFRARED DRY
Refer to the Infrared Guide for setup recommendations.

Tips for Success
Cooler temperatures or more coats will require longer flash times.

RECOATABILITY/RE-REPAIR
When recoating ChromaPremier® 42400S™ / 42410S™ / 42440S™ / 42470S™ / 2K Premier Sealer with itself, sanding (P400DA or P500 grit dry or wet) is required if the sealer has been allowed to dry more than 16 hours.

PHYSICAL PROPERTIES

All Values Ready To Spray

	Standard Reduction (4:1:1.5)	Flex Reduction (3:1:1.5:1)
Max. VOC (LE):	548 g/L (4.6 lbs./gal)	532 g/L (4.4 lbs./gal)
Max. VOC (AP):	546 g/L (4.6 lbs./gal)	531 g/L (4.4 lbs./gal)
Avg. Gal. Wt.:	1258 g/L (10.50 lbs./gal)	1183 g/L (9.87 lbs./gal)
Avg. Wt.% Volatiles:	43.8%	45.1%
Avg. Wt.% Exempt Solvent:	.9%	.6%
Avg. Wt.% Water:	0.0%	0.0%
Avg. Vol.% Exempt Solvent:	1.7%	1.3%
Avg. Vol.% Water:	0.0%	0.0%

Theoretical Coverage:	621 sq. ft. per RTS gallon at 1 mil
Dry Film Thickness:	0.8-1.2 mils in 1 coat
Flash Point:	See MSDS/SDS

VOC REGULATED AREAS

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

SAFETY AND HANDLING

For industrial use only by professional, trained painters. Not for sale to or use by the general public. Before using, read and follow all label and MSDS/SDS precautions. If mixed with other components, mixture will have hazards of all components.

Ready to use paint materials containing isocyanates can cause irritation of the respiratory organs and hypersensitive reactions. Asthma sufferers, those with allergies and anyone with a history of respiratory complaints must not be asked to work with products containing isocyanates.

Do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves.

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1.800.668.6945
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