CHROMAPREMIER® PRO 44410S™ / 44440S™ / 44470S™ 2K PREMIER SEALER

GENERAL

DESCRIPTION

A three-component, high-performance sealer designed to provide premium-quality spot, panel and overall repairs and features excellent leveling, topcoat holdout and a smooth blend edge. It 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® Pro 44410S™ 2K Premier Sealer White - ValueShade® 1
ChromaPremier® Pro 44440S™ 2K Premier Sealer Medium Gray - ValueShade® 4
ChromaPremier® Pro 44470S™ 2K Premier Sealer Dark Gray - ValueShade® 7
ChromaPremier® Pro 14305S™ Activator
ChromaPremier® Pro 44465S™ Low Temperature Reactive Reducer
ChromaPremier® Pro 44475S™ Mid Temperature Reactive Reducer
ChromaPremier® Pro 44485S™ High Temperature Reactive Reducer

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)	--	44410S™	--
VS2	VS1:VS4	44410S™:44440S™	2:1
VS3	VS1:VS4	44410S™:44440S™	1:2
VS4 (Med Gray)	--	44440S™	--
VS5	VS4:VS7	44440S™:44470S™	2:1
VS6	VS4:VS7	44440S™:44470S™	1:2
VS7 (Dark Gray)	--	44470S™	--

MIX RATIO

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

Component	Volume	Weight
44410S™ 2k Sealer	4	963.1 grams
14305S™ Activator	1	1124.3 grams
44475S™ Mid Temperature Reactive Reducer	1	1268.1 grams
44440S™ 2k Sealer	4	850.5 grams
14305S™ Activator	1	1011.7 grams
44475S™ Mid Temperature Reactive Reducer	1	1155.5 grams
44470S™ 2K Sealer	4	853.5 grams
14305S™ Activator	1	1014.7 grams
44475S™ Mid Temperature Reactive Reducer	1	1158.5 grams

VISCOSITY

19-23 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
45 minutes at 70°F (21°C)

ADDITIVES

Accelerator:	Not recommended
Fish Eye Eliminator:	Not recommended
Retarder:	Not recommended
Flex Additive:	Add 2 oz. Plas-Stick® 2350S™ Flex Additive per RTS quart

TINTING
Not recommended

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 Filler
Direct to 2330S™ Plas-Stick® Adhesion Promoter
Cromax® Premier LE LE3130S UV Primer
Fiberglass, SMC

Tips for Success
ChromaPremier® Pro 44410S™ / 44440S™ / 44470S™ / 2K Premier Sealer is not intended for use direct to metal, except for minor styling line cut-throughs.

TOPCOATS
ChromaPremier® Basecoat
ChromaPremier® Single Stage Topcoat
ChromaBase® Basecoat
Cromax® Pro Basecoat
Cromax® Mosaic™ Basecoat

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:	15-20 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 120°F (49°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® Pro 44410S™ / 44440S™ / 44470S™ / 2K Premier Sealer with itself or top coating, sanding is required if the sealer has been allowed to air dry more than 2 hours. No more than 1 hour when top coating with Cromax® Pro Basecoat.

PHYSICAL PROPERTIES

All Values Ready To Spray

Max. VOC (LE):	493 g/L (4.1 lbs./gal)
Max. VOC (AP):	448 g/L (3.7 lbs./gal)
Avg. Gal. Wt.:	1288 g/L (10.75 lbs./gal)
Avg. Wt.% Volatiles:	46.2%
Avg. Wt.% Exempt Solvent:	12.8%
Avg. Wt.% Water:	0.0%
Avg. Vol.% Exempt Solvent:	13.1%
Avg. Vol.% Water:	0.0%
Theoretical Coverage:	650 ft^2 (60.4 m^2) 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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In the United States:
1.855.6.AXALTA
cromax.us

In Canada:
1.800.668.6945
cromax.ca