


CP-401
2K PREMIUM
DIRECT TO METAL
HIGH-BUILD PRIMER
PRIMER SURFACER
& URETHANE SEALER



A PERFECT FINISH STARTS WITH EXCELLENT ADHESION

Regardless of the surface you need to prime, you are guaranteed excellent adhesion with CP-401. Our polyurethane DTM technology has been tested and proven to offer the strongest adhesion to a wide range of substrates. Whether you have an overall or a quick spot repair, get everything you need properly primed with just one product. Our sanding preparation chart guides you through a wide variety of substrates.

Remember the 6 Ps to adhesion.
Properly Prepared Panels Prevents Peeling Paint

SANDING PREPARATION CHART

SUBSTRATE	PRIMER/SURFACER (Dry Sanding) 	SEALER (Dry Sanding) 	SEALER (Wet Sanding) 
Bare Steel	#P80 - #P120 Then finish w/ #P120	#P80 - #P120 Then finish w/ #P120	N/A
Galvanized Steel	#P120 - #P180	#P120 - #P180	N/A
Bare Aluminum	#P150 - #P180 or Red Scuff Pad	#P150 - #P180 or Red Scuff Pad	N/A
OEM e-Coat**	Solvent Test / Apply Directly if passes Solvent Test	Solvent Test / Apply Directly if passes Solvent Test	N/A
SMC / Fiberglass Gel Coat	#P220 - #P320	#P320 - #P400	#P480 - #P600
Raw Plastics (Rigid)*	#P320 - #P400	#P360 - #P420	#P500 - #P600
TPO Plastics*	#P320 - #P400	#P360 - #P420	#P480 - #P600
Non- TPO Plastics*	#P320 - #P400	#P320 - #P400	#P480 - #P600
After-market Primed Bumpers*	N/A	#P1000 - #P1200	N/A
Body Filler/Polyester Filler	#P180 - #P240 Then #P180 - #P220	N/A	N/A
Existing Finishes**	#P180 - #P240 or #P240 - #P360	#P320 - #P400	#P480 - #P600
Glass (GRP)	N/A	N/A	N/A

* - Prepare all plastic parts by first using Adhesion Promoter. Adhesion tests by either solvent or cross hatchet are recommended prior to application and sanding.

** - Test all previous finishes with a solvent test using either Paint Thinner or Acetone. If the coating on the previous finish fails, strip down to bare part and refer to the chart on the next step for application. For more Solvent Tests, refer to CC-101 Guide.

A TRULY DTM PRIMER

CP-401 is a DTM (Direct to Metal) Primer. This means that you'll get adhesion to not only treated steel, but you'll get direct adhesion to all kinds of metals. This includes galvanized steel, aluminum, bare metal and many other metal surfaces you may need to prime. Painting over a vehicle made of aluminum and metal parts? No problem. Just prepare the panels and apply CP-401 over the entire vehicle.



CP-401

AVAILABLE IN:

- CP-401 (1 GALLON)

CP-41

AVAILABLE IN:

- CP-41 (QUART / HALF PINT)

MAKE THE MOST OF YOUR “PRIME TIME”



COMPLETE COVERAGE IN 2 COATS

Excellent coverage means more goes on every coat. Fewer coats means fewer flash times, which reduces the overall application time.



FAST DRYING

CP-401 is ready to sand in 60-90 minutes. Need more speed? Cut your application time in half with CB-018 Urethane Accelerator*



“WET ON WET” CAPABLE

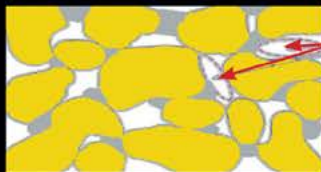
Save time by going “wet on wet” when edging in parts with CP-401.

*Dry times are dependent on mixture and temperature settings.

NOT YOUR ORDINARY PRIMER!

Traditional High-Solids 2K Primers are generally formulated with a high loading of pigments and fillers, and lower amounts of binder. This leads to a very thick, viscous coating that requires lots of time sanding a preparing for topcoat. This leads to a bunch of cheap fillers packed into a thin film. Conventional primers require large-nozzle spray guns and many coats which and lead to a messy and tedious application.

Conventional
High-Solids 2K Primer



Voids
(Air Pockets
Caused by
Pigment
Crowding)

High P:B Ratio restricts pigment flow through the resin creating air pockets. These voids lead to permeable and fragile films.

CP-401 SYSTEM



Pigments flow freely through the matrix. This leads to strong, durable films.

Excellent adhesion and durability comes from efficient cross-linking in the urethane film. This cross-linking creates a “matrix” film that allows pigments and additives to flow freely. The P:B Ratio (Pigment to Binder Ratio) and PVC (Pigment Volume Concentration) are measurements used by chemists to calculate the amount of pigment and fillers that are inside of a paint. The example above demonstrates the performance of a film at two different pigment volume concentrations. CP-401 is formulated at a lower PVC while still maintaining a high-solids formulation to bring out optimum film properties. Increasing the amount of resin and using the right composition of pigments offer a smooth and flexible film with excellent hiding and sanding properties. This leads to smooth, glossy coats that spray out with excellent atomization and a low viscosity. Spend less time sanding and cleaning with a primer designed for premium performance.

BRING YOUR EFFECTS TO LIFE

Pearl, metallic, xirrallic and candy basecoats appear best over smooth and uniform coats. Save money and get the most out of your effect basecoats by spraying them over a CP-401 Sealer coat. There is no need for a black or white basecoat layer when you can spray directly over a black or white sealer.

CP-401 COLOR SYSTEM

CP-401LG (LIGHT GRAY)

AVAILABLE IN:
- CP-401LG (GALLON/QUART)

CP-401W (WHITE)

AVAILABLE IN:
- CP-401W (GALLON/QUART)

CP-401K (BLACK)

AVAILABLE IN:
- CP-401K (GALLON/QUART)



CP-401R (RED)

AVAILABLE IN:
- CP-401R (QUART)



CP-401Y (YELLOW)

AVAILABLE IN:
- CP-401Y (QUART)



CP-401B (BLUE)

AVAILABLE IN:
- CP-401B (QUART)



GET MORE WITH COLORS

When your "ground coat" is matched up to your topcoat, you can obtain better coverage using less basecoat. This leads to better hiding and a more accurate color match. Using less basecoat means less time to complete the job. You can spend less time waiting in between extra flash times and more time increasing your shop productivity. Maximize your cost savings for the shop by using the CP-401 Color System.

Apply smooth color primer layer as "ground" coat similar to topcoat color.

- ✓ Obtain a faster and more reliable color match when painting over accurate color undercoats.
- ✓ Save time on color blending using a primer-sealer with a similar color to basecoat.
- ✓ Reduce your application time by applying fewer coats and creating a closer color match.

LESS TIME = MORE PROFITS

CREATE ANY COLOR WITH OUR CP-401 COLOR CREATION SOFTWARE

CREATE A PRIMER, SURFACER OR SEALER
WITH YOUR COLOR USING A SIMPLE MIX
RATIO WITH ACTIVATOR AND REDUCER.

MIX RATIOS

<p>4 PARTS</p> <p>CP-401 COLOR COMBINATION</p>	<p>1 PART</p> <p>CP-41 ACTIVATOR</p>	<p><u>HIGH BUILD PRIMER</u></p> <p>0 PARTS REDUCER</p>
		<p><u>PRIMER SURFACER</u></p> <p>1 PART REDUCER</p>
		<p><u>SEALER</u></p> <p>2 PARTS REDUCER</p>

ANY PRIMER LEFT OVER WITH OUT
ACTIVATOR CAN BE SAVED FOR
FUTURE APPLICATIONS

COLOR REFERENCE GUIDE

	PLATINUM GRAY CP-401W White 240g CP-401LG Lt Gray 240g	CP-401LG LIGHT GRAY	DARK GRAY CP-401LG Lt. Gray 432g CP-401K Black 48g	
	BEIGE CP-401Y Yellow 216g CP-401W White 216g CP-401K Black 48g	CP-401Y YELLOW	BURNT ORANGE CP-401Y Yellow 321g CP-401R Red 159g	
	SAFETY ORANGE CP-401Y Yellow 384g CP-401R Red 96g	CP-401R RED	DARK RED CP-401R Red 384g CP-401K Black 96g	
	LIGHT BLUE CP-401B Blue 320g CP-401W White 160g	CP-401B BLUE	VIOLET CP-401R Red 216g CP-401B Blue 216g CP-401K Black 48g	
	LIME GREEN CP-401Y Yellow 221g CP-401B Blue 19g CP-401W White 240g	GREEN CP-401B Blue 240g CP-401Y Yellow 240g	TAN Green 17g CP-401R Red 9g CP-401W White 454g	
CP-401W WHITE			CP-401K BLACK	

CUSTOMIZE ANY COLOR TO
PRIME, SURFACE OR SEAL