

ADVANTAGE REFINISH PRODUCTS
TECHNICAL DATA INFORMATION
DATED: JULY 2016

PRODUCT DESCRIPTION

ADVANTAGE #590 QUICK FINISH SPEED Clearcoat 2.1 VOC was designed to offer ease of application, great flow and leveling, superior gloss & DOI in a highly productive 2K urethane clearcoat. Under the proper conditions #590 can be polished in as little as 90 minutes.

PRODUCTS

#590-01	Quick Finish Speed Clearcoat 2.1 VOC	Gallon
#591-04	Quick Finish Activator 2.1 VOC Fast	Quart
#592-04	Quick Finish Activator 2.1 VOC Med	Quart
#592-16	Quick Finish Activator 2.1 VOC Med	Half Pint
#593-04	Quick Finish Activator 2.1 VOC Slow	Quart
#593-16	Quick Finish Activator 2.1 VOC Slow	Half Pint

SURFACE PREPARATION

Apply Undercoats and Basecoat per manufacturer's instruction. Over OEM or completely cured previously painted substrates scuff with a gray scuff pad or 600 grit then wipe clean with Wax & Grease Remover. Allow basecoat adequate flash time (follow manufacturer's recommendation). Follow basecoat manufacturer's recommendation for recoat intervals.

MIXING DIRECTIONS

Mix 4 parts #590 clear with 1 part #591, #592, or #593 activator by volume. Activator selection should be based on the size of the part to be painted and the temperature of both the air and part at time of painting.

APPLICATION DIRECTIONS

Number of Coats:	2-3 coats
Application Density:	Medium-Wet coats
Overlap:	50%
Flash:	Follow recommendations in "Dry Time" section

Application Conditions:	Minimum Temp : 50°F (Substrate Temp.)
	Max Temp : 100°F (Substrate Temp.)
	Ambient Humidity : Less than 80% preferred

Film Thickness Range:	Dry	1 mil - 4 mils
	Wet	3 mils - 4 mils

ADDITIVES

ACCELERATOR: N/A

FISHEYE: N/A

FLEX ADDITIVE: Not required

Note: Do not spray when surface temperature is below 50°F.

SUBSTRATES

Commercially available acrylic/cab basecoats with a VOC less than 6.6 lbs/gal.
Properly prepared previously painted substrates.

GUN SET-UPS

CONVENTIONAL

Gravity Feed: 1.3 mm - 1.5 mm

Siphon Feed: 1.6 mm - 1.8 mm

HVLP: 1.3 mm - 1.5 mm

AIR PRESSURES

CONVENTIONAL @ Gun

Gravity Feed:

Siphon Feed:

HVLP @ Cap:

PANEL / OVERALL

35-40 psi

45 psi

35-45 psi

45-50 psi

6-8 psi

9-10 psi

FLASH/DRY TIMES

	591 @ or above 77°F	592 @ or above 85°F	593 @ or above 95°F
Flash Between Coats	5-10 min	5-10 min	5-10 min
Dust Free	10-15 min	10-15 min	10-15 min
Sand/Polish	1.5-2 hours	1.5-2 hours	1.5-2 hours

Force Dry (Convection Heat)

	#591	#592	#593
Purge time before applying heat	0-15 min	0-15 min	0-15 min
Force Dry Time	30 mins @ 140°F 20 mins @ 150°F	30 mins @ 140°F 20 mins @ 150°F	30 mins @ 140°F 20 mins @ 150°F
Sand and Buff	After Cool Down 1.5-2 hours 77°F	After Cool Down 1.5-2 hours 77°F	After Cool Down 1.5-2 hours 77°F

CLEAN-UP AND STORAGE

Clean spray equipment immediately after use with Acrylic Lacquer Thinner or Urethane Reducer. Do not leave material in spray gun.

TECHNICAL DATA

Mix Ratio: 4 parts clearcoat: 1 part activator

VOC: 2.1 lbs/gal

Solids (Ready to Spray)

By Volume 33.1%

Viscosity: 17-19 seconds Zahn #2

Flash Point: -4°F

Film Build: 1.0 mils per full wet coat

Theoretical Coverage: 531 ft²/gal @ 1 mil thickness

POT LIFE

When properly covered at 77°F, #590 will maintain a sprayable viscosity for at least 1-3 hours depending on activator selection.

NOTE: ADVANTAGE products are not recommended for use in temperatures below 60° F. Use below these temperatures will effect dry times and performance.

FOR PROFESSIONAL USE ONLY

Read SDS Before Use

The contents of the package must be blended with other components before the product can be used. Any mixture of components will have hazards of all components. Before opening the packages, read all warning labels. Follow all precautions. The material is designed for application only by professionally trained personnel using proper equipment under controlled conditions, and is not intended for sale to the general public.

SEE SDS AND PRODUCT LABELS FOR ADDITIONAL SAFETY INFORMATION.

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