Ful-Cryl® II 2K Acrylic Enamel Topcoat (ID Quality)

GENERAL

DESCRIPTION
A 5.0 lb./gal (600 g/l) VOC compliant, acrylic enamel single-stage topcoat that provides very good gloss, chip resistance and durability for excellent performance characteristics.

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

MIXING

COMPONENTS
Ful-Cryl® II 2K Acrylic Enamel Topcoat (ID Quality)
Color Net® code “ID”
Ful-Base® 430-XX Tints
Ful-Cryl® 435-94™ 2K Acrylic Enamel Binder
Ful-Base® 483-11™ Activator
Ful-Base® 441-20™ Reducer (Low-Temp)
Ful-Base® 441-21™ Reducer (Mid-Temp)
Ful-Base® 441-22™ Reducer (High-Temp)

MIX RATIO
Combine the components by volume (8:1:2). Mix thoroughly prior to activation.

Component Volume
Ful-Cryl® II ID Quality Topcoat Color 8
Ful-Base® 483-11™ Activator 1
Ful-Base® 441-20™ / 441-21™ / 441-22™ Reducer 2

POT LIFE
4 hours at 70°F (21°C)

SPRAY VISCOSITY
20-21 seconds in a Zahn #2

ADDITIVES
Fisheyes
• Add 2-4 oz (60-120 ml) Nason® 495-01™ Fisheye Eliminator per RTS gallon, as needed.

Accelerator
• In cool temperatures or to decrease tape time, add 2-4 oz (60-120 ml) Ful-Thane® 2K 483-18™ Accelerator per RTS gallon.

APPLICATION

SUBSTRATES
All OEM finishes, as well as properly prepared metal, fiberglass, plastic and fully cured previously painted surfaces.

SURFACE PREPARATION
Before sanding, wash with soap and water and remove wax and grease with Nason® 441-05™ Silicone and Wax Remover or 481-75™ Surfacer Cleaner (use locally permitted cleaner in regulated areas) using clean rags. Sand finishes according to primer or substrate recommendations and chemically treats large bare metal areas.

COMPATIBLE PRODUCTS
Compatible with all Nason® primers, primer-surfacers and sealers.
SPRAY PRESSURE

Conventional
Siphon Feed: 40-70 PSI at the gun
Pressure Feed: 40-70 PSI at the gun
8-12 PSI Fluid Flow on the pot

HVLP: 8-10 PSI at the air cap

GUN SETUP

Conventional
Siphon Feed: 1.6-1.8 mm
Gravity Feed: 1.4-1.6 mm
Pressure: 0.8-1.2 mm

HVLP
Siphon Feed: 1.5-1.8 mm
Gravity Feed: 1.3-1.6 mm
Pressure: 0.8-1.1 mm

APPLICATION

Solid Colors
Spray medium wet coat. Allow to tack. Then follow with a full wet coat.

Metallic Colors
Apply 2 medium wet coats. Flash 5-10 minutes between coats. A third and final "mist" coat may be applied if necessary to even the metallic.

Integrated Clear
To enhance depth of color and provide a custom look, Ful-Thane® 401-20™ 2K Integrated Clear may be used. Mix one quart of catalyzed and reduced Ful-Thane® 401-20™ 2K Integrated Clear with one quart of activated and reduced color. Both are mixed 8:1:2. Do not use Ful-Thane® 401-20™ 2K Integrated Clear as a topcoat clear.

CLEANING OF PAINT EQUIPMENT
Clean spray equipment as soon as possible with lacquer thinner or low VOC cleaner in VOC regulated markets.

DRY TIMES

AIR DRY
Out of dust: 30 minutes
Tack Free: 45-60 minutes
Hard: Overnight

FORCE DRY
20-30 minutes at 120-140°F (49-60°C)

All dry times are at normal temperatures, lower temperatures will require longer dry times.

POLISHING

Allow overnight dry. Remove dust with soft, dampened cloth. Use fine compound with soft polishing pad.

Solid Colors: Lightly sand with 1200 grit or finer. Metallic Colors: Lightly "nib" sand small imperfections only. Operate machine at 1700-2000 RPM.

Note: Metallic colors will be damaged if polished excessively.
PHYSICAL PROPERTIES

All Values Ready To Spray

Max. VOC (LE): 4.8 lbs./gal (576 g/L)
Max. VOC (AP): 4.7 lbs./gal (566 g/L)
Avg. Gal. Wt.: 7.87 lbs./gal (943 g/L)
Avg. Wt.% Volatiles: 60.7%
Avg. Wt.% Exempt Solvent: 1.5%
Avg. Wt.% Water: 0.0%
Avg. Vol.% Exempt Solvent: 1.8%
Avg. Vol.% Water: 0.0%
Theoretical Coverage: 505 ft² (47.5 m²) at 1 mil
Recommended Dry Film Thickness: 2.0 mil
Flash Point: See SDS/MSDS

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 SDS/MSDS 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.

Revised: May 2014