Metalux™ 9703 2K 2.1 VOC Universal Clearcoat

COMPONENTS	9703 Universal Clearcoat Hardeners (9730, 9731, 9732, 9733)
APPLICATION	2 single wet coats 10 minute flash off between coats
MIX RATIO	3 : 1
DRY TIME	30 Minutes @140°F/60°C
VISCOSITY	Ford #4 18 seconds
VOC	252 grams / liter 2.1 lbs / gallon

GENERAL

DESCRIPTION

9703 2K 2.1 VOC Universal Clearcoat is a 2 component high build, medium solids clearcoat formulated for the Metalux™ basecoat system. This clearcoat is designed to deliver a proper film build after application of two coats.

COMPATIBLE COATINGS

Compatible with Metalux primer, sealer, and clearcoat products

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

MIXING

COMPONENTS

Mix 3 parts Metalux 9703 2K 2.1 VOC Universal Clearcoat to 1 part Metalux 2.1 VOC Hardener.

NOTE: Accelerator is NOT recommeneded when using 9730 Ultra Fast 2.1 VOC Hardener.

Component	Volume
Metalux 9703 2K 2.1 VOC Universal Clearcoat	3
Metalux 2.1 VOC Hardeners (9730 Ultra Fast, 9731 Fast, 9732 Medium, 9733 Slow)	1

Package Sizes

- 1 gallon (3.75 liters)
- 1 quart (0.94 liters)

INITIAL APPLICATION VISCOSITY
Ford #4 Viscosity 18 seconds

APPLICATION

APPLICATION EQUIPMENT

HVLP Gravity	1.3 -1.4 mm	2.0 - 2.5 (Bar)	8-10 PSI	*At the cap
High Efficiency	1.3 - 1.4 mm	2.0 - 2.5 (Bar)	27-32 PSI	At gauge

NOTE: Refer to spray gun manufacturer for further information regarding HVLP Inlet Pressures

SURFACE PREPARATION
Apply basecoat as needed and allow to flash 15 to 20 minutes @ 77°F/25°C. When applying over a water basecoat, should flash an additional 20 minutes @ 77°F/25°C after dry process.

APPLICATION
Apply 2 single wet coats with 10 minute flash off between coats.

Notes:
- Do Not Expose to rain or excessive moisture for 24 hours.
- Cooler temperatures and thicker films may require longer flash times.
- Applying graphics best after 7 days or a full cure.
- When baking, no flash time needed. Go straight to bake.

RECOAT
Can be recoated after 24 hours. Best after full cure (7 days @ 77°F/25°C).

DRY TIMES

AIR DRY
77°F (25°C)

Dust Free	30 Minutes
Hard Dry	24 Hours
To Light Polish	4-6 Hours
To Heavy Compound	10 Hours
Force Dry Time	30 @140°F (60°C)
Infrared Short Wave	15-20 Minutes full power @ 36''

PHYSICAL PROPERTIES

Recommended Film Thickness	25-30 micron / 1.0-1.25 mils per coat, dry film
Mixed Volume Solids	38.5% (Average)
Theoretical Coverage	Approx. 619 SqFt @ 1 Mil DFT/Mixed Gallon
Recommended Coats	2 (x1)
DFT per Coat	Approximately 1.0+ mil

STORAGE CONDITIONS

Store in a dry, well ventilated area. Storage temperatures should be between -30°F (-34°C) and 120°F (48°C).

PERFORMANCE PROPERTIES

Solvent Resistance	MEK pass 100 rubs Xylene pass 1000 rubs
Chemical Resistance	Acid (HCl) – No effect, 6 hrs. Base (NaOH) – No effect, 6 hrs.
Film Hardness	2H
Impact Resistance	Forward – 80 in/lbs Reverse – 50 in/lbs
Crosslinking	All crosslinking stop at 60°F/15°C

VOC REGULATED AREAS

VOC as Applied	252 grams/liter | 2.1 lbs/gallon

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 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: July 2018

In the United States and Canada:
1.855.6.AXALTA
metalux.us