

Imron® Explorer Commercial Transportation Basecoat



GENERAL

DESCRIPTION

A solventborne basecoat coating designed to deliver excellent appearance, durability, and eye-catching color. This low-solids basecoat has a ready-to-spray VOC of 6.2 lbs/gal (743 g/l) and is available in solid, metallic-effect and pearl-effect mixed colors. Intended for use with Imron Elite 8460S™ and Imron Elite Productive 8890S™ clearcoats to form a complete multi-stage basecoat/clearcoat system for the Commercial Transportation market.

RECOMMENDED USES

Imron Explorer, when combined with Imron 8460S™ and 8890S™ clearcoats, is formulated to provide a premium appearance in a rainbow of colors. For optimum results, Imron Explorer is recommended for use with our Corlar® primers for maximum topcoat appearance. It may be used over most aged and hard cured coatings in good condition.

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



MIXING

COMPONENTS

Imron Explorer color (GTN Quality)
Imron CTR1060™ Low Temp Reducer (60°F-65°F)
Imron CTR1070™ Mid Temp Reducer (65°F-75°F)
Imron CTR1080™ High Temp Reducer (75°F-85°F)
Imron CTR1090™ Very High Temp Reducer (85°F-100°F)
Imron CTR1099™ Extreme Temp Reducer (Above 100°F)
294S Urethane Activator

MIX RATIO

Thoroughly mix Imron Explorer color prior to activation. Filter activated material prior to spray application.

Three Component System

Parts by Volume

Imron Explorer color		3
Imron CT Reducer	CTR1060 / CTR1070 / CTR1080 / CTR1090 / CTR1099	2

Activation- Add 2 oz (60 ml or 56 grams) of 294S Urethane Activator per RTS quart of Imron Explorer Basecoat color. Activate basecoat for optimum performance.

VISCOSITY

Viscosity will be 15 - 17 seconds in a Zahn #2 cup reduced / ready to spray.

INDUCTION TIME

No induction time is required prior to application.

POT LIFE

Pot life is 8 hours at 70°F (21°C) (activated).



APPLICATION

SUBSTRATES AND SURFACE PREPARATION

Surface preparation is critical to appearance and system performance. Primers should be properly applied and cured according to product data sheets. Surface immediately below topcoat should be cleaned, then DA sanded with 400 grit or finer for optimum performance. Substrate should always be thoroughly wiped/tacked immediately prior to topcoat application.

ENVIRONMENTAL CONDITIONS

Substrate and ambient temperature must be between 50°F (10°C) and 110°F (43°C). The substrate must be at least 5°F (3°C) above the dew point. Relative humidity should be below 90%.

For optimum appearance, spray Imron Explorer at 75°F (24°C) or warmer. Heating activated paint above 110°F (43°C) may cause gelation.

GUN SETUP

Imron Explorer can be applied with conventional, HVLP, pressure or gravity fluid delivery.

Conventional

Pressure Pot

Gravity Feed

Fluid Tip

1.0 mm – 1.2 mm (.040" - .047")

1.3 mm – 1.4 mm (.051" - .055")

HVLP

Pressure Pot

Gravity Feed

1.0 mm – 1.2 mm (.040" - .047")

1.3 mm – 1.4 mm (.051" - .055")

FLUID DELIVERY

Conventional

HVLP

10-12 oz./minute

10-12 oz./minute

AIR PRESSURE

Conventional

HVLP

26-30 psi atomizing air

6 - 8 psi atomizing air

APPLICATION

Apply Imron Explorer basecoat in 2–3 medium coats or to hiding. Allow a flash between 8 to 10 minutes between coats.

Allow 15-30 minute flash prior to clear coating with Imron 8460S or 8890S Clearcoats.

Refer to the Imron 8460S or 8890S product data sheet for complete mixing and application instructions.

BLENDING

Key for high aluminums

- Spot color to full hide.
- Prior to the repair, prepare a "blender add" by mixing 70:30 of GT450 Balancer/Color
- Mix RTS "blender add" 3:2 Imron CTR1080 High Temp Reducer (75°F-85°F) Use appropriate temp reducer in blend.
- Fade color "outside in" of spot repair.
- Clearcoat full panel area.

Technical Data Sheet

KEYS FOR SUCCESS

Taper out each consecutive coat to melt the new color into existing color.
Use the “blender add” for difficult to blend color, optimal flake control, improved edge wetting, and improved melt-in.

CLEANUP SOLVENTS

Axalta AXS107™ Equipment Cleaner Low VOC
Axalta AXS105™ Lacquer Thinner



DRY TIMES

AIR DRY

AIR DRY (Unactivated)
Flash before Clearcoat: 15-30 minutes
Flash before Tape: 20-30 minutes
Flash before Two-Toning: 20-30 minutes
Max Allowable Dry before Clearcoating: 72 hours

AIR DRY (Activated ALU/ ALL Colors)
Flash before Clearcoat 15-30 minutes
Flash before Tape 60 minutes (poor hiding colors will be longer)
Flash before Two-Toning 60 minutes (poor hiding colors will be longer)
Max Allowable Dry before Clearcoating: 8 hours

RECOAT

Activated basecoat must be recoated within 8 hours. When recoating Imron Explorer with itself or with clearcoat, scuff sanding is required if the basecoat has air dried for more than 24 hours.



PHYSICAL PROPERTIES

All Values Ready To Spray

Max VOC (LE):	6.2 lbs/gal (743 g/L)
Max VOC (AP):	6.2 lbs/gal (743 g/L)
Avg. Gal. Wt.:	7.6 lbs/gal (911 g/L)
Avg. Wt.% Volatiles:	76.3%
Avg. Wt.% Exempt Solvent:	0.2%
Avg. Wt.% Water:	0.0%
Avg. Vol.% Exempt Solvent:	0.2%
Avg. Vol.% Water:	0.0%
Recommended Dry Film Thickness:	0.5 - 2.0 mil
Flash Point:	See SDS
Theoretical Coverage:	285 ft² (36.7 m²) at 1 mil

DRY FILM

Gloss	≥90 measured at 60°
Recommended Film Thickness	0.5 – 2.0 mils (to hiding)

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 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. Do not allow material or overspray to enter drains or waterways.

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