



Technical Data Sheet

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Colorfast EX ZERO VOC Colorants

Designed for use with Colorfast EX ZERO VOC Acrylic Polyurethane Bases to formulate Industrial Maintenance and Architectural Coatings
Formulated to 0 grams/liter VOC Content

COLORFAST HIGH PERFORMANCE, TWO COMPONENT POLYURETHANE PRODUCT LINE WAS DESIGNED PROVIDE EXCELLENT EXTERIOR PERFORMANCE AND MINIMAL EMISSIONS OF REGULATED VOLATILE ORGANIC COMPOUND (VOC) AND VOLATILE HAZARDOUS AIR POLLUTANTS (VHAP'S)

Colorfast Colorants can be used in Colorfast EX ZERO VOC Clear and White Acrylic Polyurethane Bases to create bold and vibrant paint. This system is specifically formulated with the finest ingredients that are resistant to ultraviolet degradation combined with highly fade resistant pigments. Versatile application properties allow architects and contractors to complete projects with a durable paint finish that will last for years. Clear Tintable Bases are available in multiple sheen levels. This system can be used to create custom colors for any project.

General Properties

- Formulated Application VOC Content – 0 g/L
- HAP's Free & Heavy Metal Free Formulations
- Excellent Gloss & Color Retention
- Meets most stringent air quality regulations including CARB Rules & SCAQMD 1113 for Industrial Maintenance Coatings

VOC Information

Based on formulation data on components supplied to Modern Masters, both the Coating VOC and Material VOC Contents are 0 g/L. When tested according methods used by CARB, SCAQMD and USEPA, a Coating VOC should be <30 grams per liter.

ZERO VOC Colorants	SKU	#/Gal
Tinting Black	CFX10701GAL	10.45
Red Oxide	CFX10702GAL	17.24
Phthalo Blue GS	CFX10704GAL	10.57
Shading Black	CFX10705GAL	10.53
Phthalo Green BS	CFX10706GAL	10.79
Phthalo Blue RS	CFX10707GAL	10.54
Bright Red	CFX10709GAL	11.00
Jet Black	CFX10711GAL	10.49
Magenta	CFX10713GAL	10.85
Yellow Oxide	CFX10715GAL	15.22
White	CFX10716GAL	17.07
Organic Yellow GS	CFX10728GAL	10.88
Organic Yellow RS	CFX10729GAL	11.25
Quin Red BS	CFX10742GAL	10.73
Orange	CFX10769GAL	10.85

Mixing Instructions: EX ZERO VOC Colorants have been formulated to minimize settling and hard pack during storage. All Colorants are suitable for use with in-store mixing stations. Start mixing 5-10 minutes before beginning to pour and weigh Colorants into Colorfast EX ZERO VOC Acrylic Polyurethane (Clear and White) Bases. After achieving desired color and gloss, mix in Activator, Reducer and any other Additives prior to application. Never add any reducers or additives directly to Colorant containers. This will weaken tinting strength of Colorant and affect color formulations. Do not use with other manufacturers' bases or additives. Keep containers closed when not in use. Do not contaminate product with alcohol or water.

Formulating with Clear Bases: Below are suggested starting points for tinting Colorfast EX ZERO VOC Acrylic Polyurethane Clear Bases:

pbw = parts by weight

<u>Color Group</u>	<u>Clear Base</u>	<u>Colorant</u>
Untinted Whites or Light Pastels	60 pbw	40 pbw
Standard Colors	65 pbw	35 pbw
Poor Hiding e.g. Reds, Yellow, Oranges	50 pbw	50 pbw
Black or Extremely Dark	75 pbw	25 pbw

Blends of Colorants with Clear Gloss Base (CFEXU10109) will yield 90 units on a 60° specular glossmeter.

Blends of Colorants with Clear Matte Base (CFEXU10101) will yield 15-30 units on a 60° specular glossmeter.

For additional assistance in color and gloss formulation, contact your Modern Masters technical representative.

Clean Up: When needed, use compliant wash solvent to Clean up equipment immediately after use. Do not reuse colorant containers and properly dispose of empty containers from colorants and bases. Acetone, PCBTF (Oxsol) or Reducer (CFEXR10001) are suggested were air quality regulations require <25 g/L clean-up solvents.

Environmental & Safety Considerations

Handling & Storage: Close tightly all containers when not in use. Store in a cool, dry place away from direct sunlight. Recommended storage temperature should not exceed 95°F. Avoid contamination with water, moisture or alcohols. **Only use urethane grade reducers or solvents with these products.**

Recommended Storage Shelf Life: 60 months unopened container. 12 months for previously opened containers.

Disposal: Dispose of unused or unwanted product in accordance with local laws regulating solvent-based coatings.

Health & Safety: These products are designed for professional and industrial use only. Use in a well-ventilated area. Avoid contact with eyes. Wash hands thoroughly with soap and warm water after use. Do not take internally. When spraying or sanding, use a properly-fitting, NIOSH approved respirator per the manufacturer's instructions.

Skin contact: Thoroughly wash with soap and warm water before the coating dries. Individuals with sensitive skin may require gloves.

Eye contact: Rinse with clean water for 15 minutes. Seek medical attention.

Inhalation: To help prevent irritation, use only in well-ventilated areas. If irritation occurs, move to fresh air. If irritation persists, seek medical attention. As a result of previous repeated overexposure or a large single dose, certain individuals can develop isocyanate sensitization, which will cause them to react to exposure level below the TLV value of isocyanates.

Ingestion: Do not induce vomiting. Seek medical attention.

DOT/IATA Information:

UN/NA Number: UN1263
Proper Shipping Name: Paint
Hazard Class: Flammable Liquid, 3
Packing Group: III
Hazard Subclass: N.A.
Resp. Guide Page: N.A.

Flash Point: 109 °F (TCC) 43 °C

HMIS Rating:

Health	2
Flammability	3
Reactivity	1
Personal Protection	X

Minimum: Solvent Impervious gloves, Eye Protection, Respiratory Protection, and ventilation as determined to be proper for mixing location.

Read the Material Safety Data Sheet for Additional Health and Safety Information.