

# MULTISPEC® ULTRAFINE

## AIRLESS-APPLIED ARCHITECTURAL MULTICOLOR SPECIFICATIONS

### 1. PRODUCT NAME

Multispec ULTRAFINE

### 2. MANUFACTURER

Multicolor Specialties, Inc.  
1200 South Storbeck Drive  
Wauupun WI 53963

### 3. PRODUCT DESCRIPTION

**Material:** VOC compliant, polyurethane modified multicolor spray finish for application with airless spray equipment.

**Limitation:** Freezable and heat sensitive. Requires knowledgeable applicator and specific spray equipment.

**Sizes:** Gallons and 5-gallon pails only. Shipping weight 9.8lbs per gallon.

**Patterns and Colors:** Random dispersion of small size flecks of different colors. Multicolors are manufactured to specification and delivered ready to use.

#### Composition and Materials:

Waterborne paint droplets suspended in an immiscible water phase.

**Suitable Applications:** Interior walls, ceilings, trim, structural elements, furniture, fixtures, decorative accessories, building materials. Also product finishing. Properly prepared and primed drywall, gypsum board, fiberboard, acoustical tile, paneling, plaster, stucco, masonry, concrete, block, brick, ceramic, glass, fiberglass, metal, plastic, laminate, and vinyl wallcovering.

**Unsuitable Applications:** Not for use on areas with hydrostatic pressure, flexible surfaces subjected to excessive structural movement (such as expansion joints), exterior surfaces or exposure to corrosives or high heat.

### 4. TECHNICAL DATA

**Finish:** Smooth finish with very slight physical texture.

**Gloss:** 10 as tested with 60° Glossmeter (ASTM D-523).

**Coverage:** Approximately 125-175 square feet per gallon for full coat coverage over smooth properly primed surface. Coverage varies depending on surface, texture, film thickness, application equipment and whether paint is tinted (tinted multicolor has better coverage).

**Shelf Life:** Manufacturer recommends use within one year from date of manufacture. When tinted, use within 90 days.

**Dry Time:** Air-Dry (70° F at 50% humidity). To touch, 1-2 hours. To use, 24 hours. Full cure, several days. Dry time will vary depending on temperature, humidity, film thickness and type of surface.

**Fire Rating:** Class A rating. Flame spread 5. Smoke density 0. (ASTM E-84).

**Flash Point:** Not applicable. Nonflammable.

**Shipping Class:** Not regulated waterbase. Must be protected from freezing.

**Flexibility:** No cracking, or checking when bent around 1/8" mandrel (ASTM D-1737).

**Impact Resistance:** 80 inch pounds direct (ASTM D-2794).

**Film Hardness:** H-2H pencil hardness after full cure (ASTM D-3363).

**Self-Lifting:** Excellent intercoat adhesion (FED STD 141B, Method 6252).

**Stain Resistance:** No stains from mild acids, chemicals, oil or food (ASTM D-1308).

**Solvent Resistance:** Withstands 25 MEK rubs after film is fully cured.

**Detergent Resistance:** 168 hours @ 77° F. (ASTM D-2248)

**Abrasion Resistance:** Taber abrasion 85.2 mgms.loss/1000 cycles. CS-17 wheels 500 grm. Load (ASTM D-4060).

**Washability:** Reflectance recovery, 95.4% (ASTM D-3450).

**Scrub Resistance:** Over 30,000 cycles (FED STD 141A, Method 6142). Exceeds Type III vinyl wallcovering.

**Fungal Resistance:** No growth (FED STD 141B, Method 6271).

**Bacterial Resistance:** No growth (ASTM G-22).

**VOC Content:** Maximum 205 grams/liter, 1.7 lbs. per gal. Non-photochemically reactive.

**Odor:** Slight odor while spraying and drying.

### 5. APPLICATION

**Handling/Storage/Shipping:** Care must be exercised in handling. MULTICOLOR PAINT IS FRAGILE. Do not freeze, or store at over 100F. Close container tightly after each use. If container is not full, skinning can occur. Always remove skins before tinting and before using. Do not store in unlined metal containers.

**Tinting:** Multispec ULTRAFINE bases can be tinted with most universal colorants intended for use with waterbased architectural coating. Use a quart tint formula per gallon of ULTRAFINE to create colors that approximate tint-color standards. Multispec ULTRAFINE is intended for use with light to midtone colors only – deep tones or heavily pigmented colors tend to obscure flecks. Do not exceed one ounce of colorant per gallon of ULTRAFINE base.

**Always produce sample sprayout for approval by specifier prior to tinting entire batch.** Always box paint for the specific project before use. After adding colorant, agitate tinted multicolor on a gyroscopic mixer for one minute. **Do not exceed three minutes. Multicolor paint is fragile. Vigorous agitation may break down color flecks and change color.**

**Surface Preparation and Priming:** Surface must be clean, dry, flat and without defects. Prime with appropriate primer/sealer/stainkiller required for surface to be painted. For maximum stain blocking properties, a solventborne stain blocking primer is recommended. Follow primer manufacturer's instructions for use. Use premium quality primer having good holdout and tooth. For hard, smooth surfaces, specific high performance primers are recommended. Undercoats that contain shellac, wax, silicones or stearates may

not be suitable. When in doubt, check intercoat adhesion between primer and multicolor topcoat prior to proceeding with application. Do not prime with flat wall paint. Alkaline materials such as cement, mortar, plaster and alkaline joint compounds will damage Multispec ULTRAFINE. Such surfaces must be properly prepared and sealed to protect the multicolor topcoat. Textured surfaces must be filled and primed.

**Warning:** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC, EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE. ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline a 1/800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**Mixing:** Prior to spraying, box, or mix gently with a paint paddle.

**Reduction:** When necessary, add water gradually in small increments (3 to 4 liquid ounces per addition not to exceed 10% in total) until an acceptable spray pattern is achieved. Too much water will cause paint to sag. Do not add thinners, reducers or solvents.

**Equipment:** Multispec ULTRAFINE was designed to be applied with airless spray equipment; and can be applied with conventional air spray equipment although fleck size will be larger. Sample sprayouts are sprayed with either a Graco 395 or Titan 440i airless units with a 519 spray tip @450-500 p.s.i. For specific equipment recommendations refer to Spray Equipment Guidelines and full specifications or contact Multispec representative or your local dealer.

**Application Guidelines:** Final finish may vary from standard due to variations in paint, substrate, equipment, pressure settings and technique. **Always evaluate color, pattern, and paint delivery rate on mock-up test area while using specific batch of paint with equipment selected for project, and be certain that mock-up meets with the approval of specifier prior to beginning project. Once approved, the mock-up should serve as the standard for the project.** Color standards and film properties can only be attained when application is full coat coverage. Follow equipment manufacturer's instructions for use and maintenance of equipment. Observe all warning statements relating to both paint and equipment.

- Avoid application during periods of high humidity and or when temperature of paint, surface or air is below 60° F or above 100° F.
- Apply tack coat to facilitate application. Allow tack coat to flash prior to applying subsequent coats.
- Remove all filters and strainers from spray equipment.

• Do not use pressure pot agitator, siphon-type or gravity feed guns.

• Fast-drying paint may build up in the tip and reduce orifice size during spraying. Inspect and clean tip periodically.

#### One Step Application Technique:

Set material and air pressure to match approved sprayout. Maintain uniform distance of 18-24" between the gun and surface. Aim spray gun directly at surface (spraying at an angle will distort pattern). Spray with horizontal strokes, overlapping each previous stroke by 50% and crosshatch the same area with vertical strokes to eliminate any lap marks and to achieve full coat coverage.

**Topcoating:** Not necessary in most applications. Can be topcoated to increase gloss and/or improve properties.

**Touchup:** Patch and/or prime when necessary. Select spray equipment and tip size and adjust pressure settings to be used. Utilize same equipment as used on original job. Do a mock-up to match original finish. For large areas, corner-to-corner touchup is recommended.

**Cleanup:** Immediately flush equipment thoroughly with warm water.

**Precautions:** DO NOT BREATHE SPRAY MIST. Wear an appropriate respirator (NIOSH/MSHA Approved), safety goggles and gloves. Use adequate ventilation. Avoid breathing dust when sanding. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

**HMS Rating:** Health, 1; Flammability, 0; Reactivity, 0; Personal Protection G.

### 6. AVAILABILITY AND COST

**Availability:** Available in the United States and several foreign countries.

**Cost:** Prices vary depending on order quantity and complexity.

### 7. NOTE

Since the use of this product and information is beyond the control of Multicolor Specialties, Inc., Multicolor Specialties, Inc. does not guarantee the applicability of this information or the suitability of this product for any specific situation. ULTRAFINE is sold without warranty, expressed or implied. Multicolor Specialties, Inc. liability shall be limited to replacement of product. Multicolor Specialties, Inc. shall in no event be liable for consequential damages.

### 8. MAINTENANCE

Wash as required with a solution of mild detergent or use a mild abrasive (i.e. Mr. Clean Magic Eraser or Soft Scrub) and rinse with water. Always test cleaning in an inconspicuous area. Should unusual soil or stain problems occur, contact the manufacturer for instructions.

For more information, call:

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