

## MULTICOLOR INTERIOR SPRAY FINISH SPECIFICATIONS

### 1. PRODUCT NAME:

*Colorspec*

### 2. MANUFACTURER:

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

### 3. PRODUCT DESCRIPTION:

**Material:** Tintable, durable, fast drying waterborne decorative multicolor spray finish for interior applications.

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

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

**Patterns and Colors:** Random dispersion of various size flecks of different colors.

#### Composition and Materials:

Waterborne tintable multicolor composed of 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), or exposure to corrosives or high heat.

### 4. TECHNICAL DATA:

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

**Gloss:** 10 gloss units with 60° gloss-meter (ASTM D-523).

**Coverage:** 150 to 175 square feet per gallon for full coat coverage. Coverage varies depending on surface, texture, film thickness, and pattern size. The larger the fleck size, the less coverage.

**Shelf Life:** May degrade under temperature extremes and excessive agitation. 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 (ASTM E-84).  
**Flash Point:** Not applicable.  
Nonflammable.

#### Water Vapor Transmission:

Full coat coverage WVP (Perms) 2.79 (ASTM D 1653).

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

**Flexibility:** Excellent. No cracking of film over 1/8" mandrel (ASTM D-1737).

**Film Hardness:** HB-H pencil hardness (ASTM D-3363).

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

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

**Abrasion Resistance:** Taber abrasion 153.9 mgms. Loss/1000 cycles. CS-10 Wheel 1000 gms. weight (ASTM D-4060).

**Washability:** Reflectance recovery 95.5% (ASTM D-3450).

**Scrub Resistance:** 2,350 cycles (ASTM D-2486). Excessive scrubbing may lighten tinted colors.

**Fungal Resistance:** No growth (ASTM D-3273).

**Bacterial Resistance:** No growth (ASTM D-3456).

**V.O.C/V.O.S. Content:** Maximum 212 gm/liter, 1.8 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 over 100°F.** Close container tightly after each use. If container is not full, skinning can occur. Do not store in unlined metal containers.

#### 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. 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. Textured surfaces must be filled and primed. Pattern size will appear smaller and square footage per gallon will be less over textured surfaces.

**Tinting:** *Colorspec Tintable Multicolor* is intended to be tinted with universal colorants used in architectural coatings.

**Use quart tint formula per gallon of Colorspec to create colors which approximate architectural colors.**

**Colorspec is intended for use with light and midtone colors only** – deep tones or heavily pigmented colors tend to obscure flecks in *Colorspec* multicolor. Do not exceed one ounce of colorant per gallon of *Colorspec*. Always produce sample sprayout for approval by specifier prior to tinting entire batch. Always box all paint for the specific project before use.

**Mixing:** When tint paste is added to multicolor, agitate on a Gyroscopic Mixer for one minute. **Note: Do Not Exceed Three Minutes. Multicolor paint is fragile.**

**Vigorous agitation may break down color flecks and change color. If tinted Colorspec has been stored for a period of time, box or stir gently with a paint paddle.**

**Reduction:** When necessary, add water gradually in small increments (3 to 4 liquid ounces per addition not to exceed 5% in total) until an acceptable spray pattern is achieved. Too much water will cause the paint to sag. (Do not add thinners, reducers or solvents.)

**Equipment:** *Colorspec* is designed to be applied with specific HVLP and conventional dual-regulated air spray equipment. **NOTE: Do not use airless spray equipment.** Color standard sprayouts are sprayed with Binks Mach 1 HVLP gun with 97AS tip and an ASME dual-regulated pressure pot. With conventional air spray equipment use Binks 2001 gun with internal mix nozzle assembly, #66SK air nozzle, #66 fluid nozzle and 565 needle or equivalent, and an ASME rated dual-regulated pressure pot. Use a compressor that will deliver consistent CFM to match spray gun's capacity. May also be applied with an external mix nozzle assembly for industrial applications.

**Application Guidelines:** Final finish may vary from standard due to variations in paint, equipment, pressure settings, technique and substrate.

**Note: Application must be full coat coverage.** Follow our application technique. If *Colorspec* is not properly applied the following will occur:

- Uneven Appearance
- Picture Framing
- Lap Marks
- Unsatisfactory Touchup

**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 mock-up meets with the approval of specifier prior to beginning 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.
- Remove all filters and strainers from spray equipment.
- Do not use pressure pot agitator, siphon-type or gravity feed guns or airless spray equipment.
- Use paint with same batch number for specific job. There may be slight differences between batches.

#### Application Technique:

Set material and air pressure to match approved sprayout. Apply tack coat to facilitate application. 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, 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. Spray an area comfortable to reach.

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

**Touchup:** Patch and/or prime as necessary. Select spray equipment and tip size and adjust pressure settings to be used. Do a mock-up to match original finish.

1. For small areas: Apply multicolor lightly as a spattercoat, inspect and continue to spatter area until same coverage is achieved as the adjacent painted area. Feather out as necessary to blend in.

2. For large areas: Corner-to-corner touchup is recommended using the same application technique and equipment setup as used in original application.

3. Note: In areas with clear topcoat, degloss and/or prime before repainting, using multicolor followed by clear topcoat.

**Cleanup:** Flush equipment thoroughly with water.

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

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

**6. NOTE:** Since the use of this product and information is beyond the control of Multicolor Specialties, Inc., the company does not guarantee the applicability of this information or the suitability of this product for any specific situation. *Colorspec* 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.

**7. MAINTENANCE:** Wash as required with a solution of mild detergent or gently apply a mild abrasive (i.e. Soft Scrub without bleach) and rinse with water. Excessive scrubbing may lighten tinted colors. Should unusual soil or stain problems occur, contact the manufacturer for instructions.

For more information, write or call:

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