

**MULTISPEC®****MULTISPEC® MULTICOLOR****DESCRIPTION AND USES**

Multispec® Multicolor is a low odor, low VOC, water-based multicolor paint recommended for walls, ceilings, trim, fixtures, countertops, and decorative accessories. This extremely durable, hard-wearing finish can be cleaned repeatedly making Multispec the perfect match for surfaces subjected to extraordinary soiling or abuse. Multicolor's natural camouflaging properties help disguise surface imperfections and also make spot repairs almost undetectable.

MPI #112, #125 Certified. Refer to the MPI website for the most current listing of MPI certified products.

**PRODUCTS**

Multispec GS (Green Series)  
Multispec Watercolors  
Multispec Stone Accents

**PRODUCT APPLICATION****SURFACE PREPARATION**

The surface must be clean, dry, flat and without defects. Prime with appropriate primer/sealer/stain sealer required for surface to be painted. Follow primer manufacturer's instructions for use. Use premium quality primer having good holdout and tooth. Use Multispec Universal Primer for bare or painted metal, concrete and substrates containing light stains, for deeper colors, use Zinsser® Bulls Eye 1-2-3® Deep Tint primer. Use any Zinsser Cover Stain® primer for bleeding woods such as cedar and redwood and substrates containing water stains. Prior to proceeding with the Multicolor project, always do a mock-up at the job site using the intended primer/sealer/stain sealer and Multicolor topcoat while using the same equipment and application technique intended for the job. After mock-up has dried thoroughly, inspect for bleeding-through and staining prior to proceeding.

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, when priming a slick surface, check intercoat adhesion between primer and Multicolor topcoat prior to proceeding with application. Do not prime with flat wall paint. Pattern size will appear smaller and square footage per gallon will be less over textured surfaces.

**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 a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD, or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**PRODUCT APPLICATION (cont.)****SURFACE PREPARATION (cont.)**

**NOTE:** Priming may not be necessary when applying Multicolor over a previously painted surface that is in good condition.

**FULL-COAT APPLICATION REQUIREMENT:**

Multicolor spray out samples are produced at full-coat coverage. Color standards and film properties can only be attained when application is at full-coat coverage. If less than full-coat coverage is achieved, subsequent touch-ups will be very noticeable. Within Multicolor, individual color flecks are suspended in a clear water phase. During spraying, the painter sees the flecks being deposited on the surface and changing the surfaces' appearance during each spray stroke. Once full-coat coverage is achieved, additional spray strokes will stop changing the appearance of the finish.

**MOCKUP PROCEDURE:**

Finish may vary from standard due to variations in batch, tinting, equipment, pressure settings, substrate, and application technique. Always evaluate color, pattern and paint delivery rate on mock-up test area while using specific batch of paint with equipment selected for job and be certain that mock-up meets with the approval of specifier prior to beginning job. Make certain to purchase enough material from a given batch to complete the job. **NOTE:** Printed Multicolor examples will vary in color and pattern from actual Multicolor spray out samples.

**TROUBLESHOOTING:**

If Multicolor is not properly applied, the following will occur:

- Color and pattern will not match standard
- Application will look uneven
- Lap marks will be visible
- Picture framing may be visible
- Finish will not touch up satisfactorily
- Film properties will not be attained

**BLENDING MULTICOLORS:**

When intermixing two or more different Multicolors, mix gently and thoroughly with a clean paint paddle in a clean container. Record blend ratio and retain sample spray out for future reference.

**TOP COATING:**

In high traffic areas, harsh environments, or areas subjected to repeated cleaning, a suitable clear topcoat is recommended. Such settings might include hospitality, healthcare, educational, office, and manufacturing facilities. Use Modern Masters® MasterClear® Supreme, or for higher performance applications, utilize a compatible, clear, "water white" plural component epoxy or polyurethane.

**MULTISPEC®****MULTISPEC® MULTICOLOR****PRODUCT APPLICATION (cont.)****TOPCOATING (cont.)**

Top coating will improve durability, stain resistance, and facilitate surface cleaning. MasterClear Supreme is available in Matte, Satin, Semi-Gloss, and Gloss sheens. Lower sheens (Matte or Satin) are recommended for most interior applications.

**COATING MAINTENANCE:**

In order of preference, wash with a solution of mild detergent, or use a mild abrasive without bleach and rinse with water. Should unusual soil or stain problems occur, contact the manufacturer for instructions. Overly aggressive cleaning and/or use of cleaning compounds containing coarse abrasives or harsh chemicals may lighten the color or alter the sheen of Multicolor. Always try specific cleaner and cleaning technique in an inconspicuous area prior to use. Do not use abrasives on gloss finishes.

**MATERIALS REQUIRED:**

- Multicolor paint
- Masking tape
- Drop cloth
- H.V.L.P. air spray equipment
- Modern Masters MasterClear Supreme Clear Top Coat (optional)

**EQUIPMENT:**

Multicolor is designed to be applied with specific H.V.L.P. spray equipment with dual regulated pressure pot. Do not use airless spray equipment. Remove all filters and strainers from spray equipment prior to use. See "Spray Equipment Guidelines" on reverse side.

**SPRAY TECHNIQUE:**

Set material and air pressure to match approved sample spray out. Air pressure and material pressure will vary depending on spray equipment until the appearance is the same as the adjacent painted area. Feather out as necessary to blend the finish.

For large areas: Corner-to-corner touch up is and batch of paint used. First, apply a light coat to facilitate full-coat application. Maintain uniform distance of 12"-18" between the gun and surface. Aim spray gun directly at surface (spraying at an angle will distort pattern). Spray area comfortable to reach by horizontal strokes, overlapping each previous stroke by 50%, then cross hatch the same area with vertical strokes to eliminate any lap marks and to achieve full-coat coverage.

**PRODUCT APPLICATION (cont.)****SPRAY APPLICATION TIPS:**

Do not use siphon-type or gravity feed guns or airless spray equipment. Practice spraying Multicolor before starting project. The pattern and appearance will change after each spray stroke as more flecks are applied to the surface using the same application technique and equipment set up as used in original application.

**NOTE:** In areas with clear topcoat, de-gloss surface. At full-coat coverage, the pattern/appearance will stop changing. Do not spray in high humidity and/or when temperature of paint, surface and air are below 60°F or above 90°F. Material will have a bluish milky cast when first sprayed. Allow to dry thoroughly prior to approval of color standard. Use paint with same batch number for a specific job. There may be slight differences between batches.

**REDUCTION:**

When necessary, add water gradually in small increments (3-4 liquid ounces per addition not to exceed 10% in total) until an acceptable spray pattern is achieved. Too much water will cause the paint to sag.

**VARIATIONS:**

Final finish may vary from standard due to differences in paint, spray equipment, pressure settings, spray technique and surface properties.

**CLEANUP:**

Flush equipment thoroughly with water.

**TOUCH-UP OR REPAIR:**

If possible, touch up should be done by using the same application equipment, settings and technique that were originally used to spray the job. Patch and/or prime as necessary. Select spray equipment and tip size and adjust pressure setting to be used. Do a mock-up to match original finish. For small areas: Apply Multicolor lightly as a spatter coat. Inspect and continue to spatter area immediately after use.

**NOTE:** Roller application of Multicolor is not recommended. Rolling Multicolor will lead to "tiger striping" in overlap areas that will likely lead to an unacceptable finish. An example would be cut-in areas such as corners, windows, and door edges. After these areas are cut in and in a dried or semi-dried state, subsequent applications over these areas will be darker than the "just-rolled" adjacent area. A good analogy is that of staining wood. Overlap areas are generally darker and the final finish may be uneven.

**MULTISPEC®****MULTISPEC® MULTICOLOR****PRODUCT APPLICATION (cont.)****TINTING:**

Multicolor may be tinted with most universal colorants for latex paints. Always use latex color cards as your primary color reference when choosing a tint color formula.

**NOTE:** Due to the fast-drying nature of Multicolor, paint skins may form on the lid. Loose skins may dislodge from the lid during gyroscopic agitation and may cause plugging of spray equipment. Please inspect the lid and remove skins prior to tinting and agitation (See: "Storage and Use" section under General Instructions).

Do not utilize a tint dispenser with a line flush, as line flush will prevent tint colorants from dispensing properly. Multicolor is intended for tinting with light colors (dark colors will obscure flecks). Use quart tint formula (25% of gallon tint formula) per gallon of Multicolor to create tinted Multicolors that approximate latex paint colors. Do not exceed one ounce of colorant per gallon of Multicolor.

Always box or intermix multiple containers of a specific Multicolor after tinting to assure color uniformity in all containers. When colorant is added to Multicolor, agitate on a gyroscopic mixer for one minute, not to exceed three minutes. Vigorous agitation may break down color flecks and change appearance of Multicolor. Tinted Multicolor that has been stored should always be gently stirred with a paint paddle prior to use.

Always get specifier approval of tinted Multicolor sample prior to tinting entire order. Spray sample at full-coat coverage and let sample dry prior to seeking color approval. Tinted Multicolor has a bluish milky cast when still wet.

The tint colorants do not tint the color flecks, but rather tint the clear water phase surrounding the color flecks. When spraying tinted Multicolor, the entire surface sprayed is colored during each spray stroke, even though the Multicolor flecks are not covering the entire surface. This makes it more difficult to determine when full coat coverage has been achieved. While a surface sprayed with less than full-coat coverage may look attractive, subsequent applications or touchups which put more flecks on the surface will be very noticeable and will not blend in well with the surrounding area. Make sure you apply tinted Multicolor in a full-coat application as repairs may necessitate a full corner-to-corner repaint.

**PERFORMANCE CHARACTERISTICS****EQUIPMENT RECOMMENDATIONS****HVLP SPRAY:**

<b>Make/Model</b>	<b>Air Cap</b>	<b>Fluid Nozzle</b>	<b>Needle</b>
Binks Mach 1	905P	903 (2.0mm)	54-3941
	97AP	97S (1.7mm)	54-3941
	97P	97 (1.7mm)	54-3941

Air Supply and Pressure Pot: Air compressor equipped with ASME dual regulated pressure pot or equivalent.

Suggested Gun Pressures: Air Pressure: 15-30 psi  
Material Pressure: 15-30 psi

**HVLP SPRAY:**

<b>Make/Model</b>	<b>Air Cap</b>	<b>Fluid Nozzle</b>	<b>Needle</b>
Pro-Tek 3100H HVLP Gun	2.0mm	2.0mm	2.0mm
Part #0550990			

**Make/Model**

Titan Canspray 95, 105, 115, & 125

Maxum II gun tip sizes #4, #5, #6 105, 115, & 125 (This gun's pressure cup tends to shear particle size significantly.)

Formerly CS9100, CS9900, & CS10,000

Maxum Elite Gun Tip size #4, #5, #6

Graco FinishPro HVLP 9.5 ProContractor Series  
(Five Stage Unit)

EDGE II PLUS Gun with tip sizes #4, #5, #6  
(Remove any screens from cup on the gun)

Air Supply and Pressure Pot: Four stage, or larger, turbine air supply unit equipped with accessories for pressure cup, 2 quart remote, or 2.5-gallon pressure pot.

Suggested Gun Pressures: Air Pressure: low to medium  
Material Pressure: maximum fluid adjust or pot pressure @ 10-20 psi.

	<b>TECHNICAL DATA</b>	<b>MTS-01</b>
	<b>MULTISPEC® MULTICOLOR</b>	

## PHYSICAL PROPERTIES

		GREEN SERIES	WATERCOLORS & STONE ACCENTS
Resin Type		Modified Acrylic	
Pigment Type		Varies with color	
Weight per Gallon		9.0 lbs.	
Solvents		DPNB	Butyl Cellosolve
Volatile Organic Compounds		60 g/l (0.5 lbs./gal)	205 g/l (1.7 lbs./gal)
Practical Coverage (assume 15% material loss)		125-175 sq. ft./gal. when sprayed over smooth primed surface. On concrete block walls that have been "Block-Filled & Primed" coverage tends to be 95 -105 sq. ft. per gallon. Do NOT pick subtle colors on block walls as the particle(s) tend to be lost in the texture of the block.	125-175 sq. ft./gal. when sprayed over smooth primed surface. On concrete block walls that have been "Block-Filled & Primed" coverage tends to be 95 -105 sq. ft. per gallon. Do NOT pick subtle colors on block walls as the particle(s) tend to be lost in the texture of the block.
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	1-2 hours	2-3 hours
	Recoat	24 hours	Overnight
	Full Cure	7 days	7 days
Fire Rating (ASTM E-84)		Class A Rating	Class A Rating
WVT (ASTM D-1653)		NA	2.79 Perms
Flexibility (ASTM D-522)		Passes 180° Bend	Excellent 1/8" Mandrel
Film Hardness (ASTM D-3363)		HB-H	HB-H
Abrasion Resistance (ASTM D-4060)		NA	154 mg 1,000 cycles, 1,000 g load, CS-10 wheel
Washability (ASTM D-3450)		NA	Reflectance recovery 95.5%
Washability (ASTM D-4828-71) Stain removal		Passes	NA
Scrub Resistance (ASTM D-2486)		>2,000 cycles	2,350 cycles
Fungal Resistance (ASTM D-3273)		NA	No Growth
Bacterial Resistance (ASTM D-3456)		NA	No Growth
Shelf Life		1 year	
Storage		Protect from freezing – PRODUCT IS NOT FREEZE THAW STABLE	
Safety Information		For additional information, see SDS	

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



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