

Distributed By:

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Product Description

MDC Ceramic is a subtle durable finish in a water-based, ceramic enhanced formula. It contains ceramic micro-spheres which are the newest innovation in paint technology. It is designed to be used in virtually any commercial setting that paint is used including corporate, education, healthcare, hospitality, as well as retail spaces and other public areas that must be cleaned often.

Environmentally safe, MDC Ceramic is fully compliant with all Volatile Organic Compounds (V.O.C.) regulations.

Water-based Formula	Environmentally friendly, low-odor application
Ceramic Enhanced	Micro-spheres add superior durability and scrubability.
Budget Sensitive	Offers a decorative alternative to paint for pennies more
Custom Color Capabilities	Adapts to virtually any color scheme
Convenient Spray Application	Quick and easy installation using standard equipment

Quantities and Colors

Container Sizes: 1 gallon and 5 gallon pails.
Colors: Range of standard colors; custom colors available.

Microban Product Protection

MDC Ceramic contains Microban antimicrobial product protection. This unique additive will inhibit the growth of stain and odor causing bacteria, mold, mildew, and other fungal growth on the dried paint film. Microban protection provides an added level of protection between cleanings, but does not take the place of normal cleaning and disinfecting procedures and will not protect users or others against food-borne illness. Microban additives are E.P.A. registered for use in paint. For more information on Microban, please visit www.microban.com.

Technical Information and Test Results

Solids by Volume:	47-48%
Solids by Weight:	33-34%
Max. VOC:	less than 50 g/L
Scrub Resistance:	ASTM D-2486: More than 3000 scrub cycles
Stain Resistance:	ASTM D-1308: Excellent
Washability:	ASTM D-3450: Excellent
Finish:	Eggshell (10-15% gloss @ 60° F)
Coverage Rate:	Approximately 350 sq. ft. per gallon at 4 mils wet on smooth surface
Application Temperature:	50°-90°F, RH < 50%
Dry Time:	To touch - 30minutes, 4 hours to re-coat
Shelf Life:	12 months
Room Temperature Touch-up:	Excellent
Burnish, Dry: (Sheen 85 Difference)	1.4 Avg. of 13 (National Avg. = 3.3) (lower number = better rating)

Surface Preparation/Primers

Substrate	Recommended Primer
New Gypsum Board	PrimeSeal by MDC
Cured New Plaster	PrimeSeal by MDC
Painted Surfaces (Non-Gloss)	PrimeSeal by MDC (To extend coverage and provide uniform sealed surface)
Painted Surfaces (Gloss/Semi-Gloss)	SlickBond by MDC (To extend coverage and provide uniform sealed surface)
Ceramic Tile/Block	SlickBond by MDC
Plastic Laminate	SlickBond by MDC
Fiberglass	SlickBond by MDC
Interior Metals	SlickBond by MDC
Cured Concrete/Masonry	PrimeSeal by MDC
Concrete Block	High quality, commercial grade 100% acrylic block filler
Wood	Spot prime knots and prime surface with 1 coat of a high quality commercial grade suitable stain blocking primer

Surface Preparation

All surfaces to receive the finish should be prepared as if to receive a typical paint application; free from wax, oil, grease and water soluble materials. All cracks, holes or voids should be filled with an appropriate patching compound, allowed to cure and spot primed. All markings should be removed and/or sealed with a stain blocking primer to prevent "bleed through". Mildew must be neutralized and a stain blocking primer should be applied to the affected area. Glossy areas should be dulled.

New Drywall: Repair holes/cracks by patching with joint compound and sanding smooth. Wipe with a clean damp rag to remove all sanding dust and construction debris.

Masonry/Concrete: Must cure for 30 days before coating. Remove curing and form-release agents.

Wood: Sand exposed areas to a fresh surface. Fill nail holes and other surface damage with wood filler or putty. Sand smooth. Wipe with a clean damp rag to remove all sanding dust and construction debris.

Plaster: Allow new plaster to cure a minimum of 28 days prior to coating.

Hard Shiny Surfaces: Clean thoroughly to remove wax, grease and/or oil residue. Scuff-sand with fine silicon carbide sand paper. Wipe with a clean damp rag to remove all sanding dust and construction debris.

Previously Painted Surfaces: Remove all loose paint, dirt, chalk and damaged substrate. Clean thoroughly to remove wax, grease and/or oil residue. Scuff-sand glossy surfaces. Wipe with a clean damp rag to remove all sanding dust and construction debris. Stains from water, smoke, grease, ink, etc. must be sealed with a suitable stain-blocking primer.

Mildew: Mildew must be neutralized and removed before coating. Scrub affected areas with a 3:1 solution of warm water to household bleach. Rinse thoroughly with clean water and allow surface to dry completely before coating. Spot prime area with a stain blocking primer. Wear protective eyewear and waterproof gloves. Quickly wash skin that comes into contact with solution. Do not add ammonia or detergents to bleach/water solution.

Applicators should carefully inspect the wall surface prior to beginning an application and be sure to prepare a test area for approval prior to proceeding.

Project Conditions and Preparation

Application Equipment

HVLP Sprayer: Commercial grade 4 stage HVLP equipment equivalent to a CapSpray 9100 with a #3 nozzle or a Graco 4900 with a #3 nozzle OR EQUIVALENT

Conventional Sprayer: BINKS® 2001 - 63 PB External Mix Air Cap, 66 SS Fluid Nozzle and 565 Needle, 2 Gallon Pressure Pot OR EQUIVALENT

Airless Sprayer: Commercial grade sprayer equivalent to a Graco 395 or larger with a minimum tip size of .015 - .017 and minimum pressure of 2000 psi.

Roller: 1/4 - 3/8 inch nap synthetic roller

Brush: Synthetic fiber brush

CAUTION! When spraying, wear goggles and a high-efficiency particulate respirator. Before spraying, caution-off the immediate application area to prevent others from coming into contact with spray mist.

Project Conditions

Apply MDC Ceramic only when surface and ambient air temperatures are 50 °F - 90 °F and relative humidity is less than 50% for 48 hours before, during and after the coating application. Substrate should be dry and free of moisture. Application area should be free from airborne contaminants prior to and during the coating application, and until the coating has fully cured. Coatings should be applied under adequate lighting. Do not apply in direct sunlight.

If spraying in an enclosed area, mist ventilation is important. Use portable industrial air filtration units with disposable filters. Ensure adequate supplies of replacement filters are available.

Good lighting conditions and a good system for ventilating spray mist - visibility to the wall surface while spraying is critical to achieving best results.

Field Mock Ups

Prepare "Field Mock Up" sample for Architect's, Designer's and/or Owner's review for each color and finish specified and for each substrate using actual substrate material. Correct areas not accepted; modify methods of application to comply with specified requirements.

Do not proceed with work until field samples have been accepted.

Product Preparation

Mixing

- Material will settle during shipping and storage. Mix material thoroughly!
- Check bottom of pail to ensure thorough mixing with no fall-out.
- Box all containers of same color. Insufficient mixing may result in unacceptable color variation.

Thinning

- For spraying, it may be desirable to thin product with up to four ounces of water per gallon to achieve appropriate consistency for atomization.

DO NOT LET PRODUCT FREEZE!

APPLICATION

Apply MDC Ceramic over a properly primed surface in a continuous, uniform, pin-hole free film at a minimum of 4 mils wet. The approximate coverage rate is 350 sq. ft. per gallon on smooth surfaces.

Good lighting and visibility are essential while spraying.

Take caution not to apply too heavily in a single pass – material will sag.

- Position the gun approximately 12 inches from the surface being sprayed. Trigger the gun just before spraying on wall. While triggered, the gun should remain fully triggered and moving continuously in a vertical motion.
- Apply MDC Ceramic in a continuous vertical motion with a 50% overlap of the previous spray stroke. Overlapping by less than 50% will result in striping, and more than a 50% overlap will apply the material too heavily resulting in sags.
- When the end of the surface is reached, release the trigger, shutting off the material flow, but continue with the spray stroke for a few inches until the motion is reversed for the return stroke.

Wait until MDC Ceramic is dry to touch – approximately 60 minutes in good drying conditions – before applying optional PearlProtector for added durability.

When rolling, be sure to do a mock-up for approval before proceeding as slight variation from sprayed sample may occur.

Cleaning Instructions

Allow product to cure for at least seven days following application (allow 28 days on hard, non-absorbent substrates) before applying cleaning chemicals. Most common stains can be easily removed using a sponge, rag or nylon bristle brush with water and mild soap or a general purpose cleaner. Before using a new cleaner for the first time, test its effect on the finish by applying in an inconspicuous area. Care should be taken not to rub the surface too aggressively to prevent burnishing.

Safety Information

Some persons may experience an allergic reaction to paint products if exposed to spray mist. Because spray application of this finish may create a fine mist of product in the immediate application area, a high-efficiency particulate respirator and protective glasses or goggles must be worn by the applicator. The immediate application area should be "cautioned-off" to prevent persons without safety equipment from coming into contact with mist. Ensure good ventilation. Review product MSDS sheets prior to application.

First Aid	
Ingestion	Induce vomiting, consult a physician.
Skin Contact	Wash with soap and water.
Eye Contact	Immediately flush eyes for 15 minutes occasionally lifting eyelids. If contact lenses are worn, remove lenses and continue rinsing. Dispose of contaminated lenses.
Inhalation	Move to fresh air.
Obtain medical attention if necessary. Refer to product MSDS. In case of emergency, MSDS information may be obtained by calling 800-535-5053.	

Five Year Limited Warranty

Master Coating Technologies warrants the MDC Paint components of this finish system against manufacturing defect for a period of five years from the date of application when applied to a wall surface according to manufacturer's printed instructions. Manufacturing defect is defined to be a failure of the coating system to adhere to a wall surface when applied according to manufacturer's printed instructions, and does not include subsequent failure or damage caused by exogenous factors such as substrate failure or defect, sharp objects, persons, or acts of God. In the event of a failure resulting from the manufacturing defect, the product will be replaced. Master Coating Technologies shall have no obligation to or otherwise participate in labor or other costs associated with replacing the product. This warranty supersedes all previous warranties.

The fact and figures represented in the specification manual are accurate to the best of our knowledge, and are the results of testing in our laboratory. We do not express, warrant or guarantee the accuracy, completeness, or reliability of same. Since constant improvements are ongoing, future technical data may vary somewhat from what was available when this bulletin was printed