

Distributed By:

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Product Description

LiquaPearl is a state-of-the-art designer finish that provides a unique pearlescent for walls and similar surfaces. It is a low-odor, single component coating designed for a convenient spray application. Environmentally safe, LiqaPearl is fully compliant with all Volatile Organic Compounds (V.O.C.) regulations.

Water-based Formula
 Sophisticated Pearl/Metallic Finish
 Convenient Spray Application
 Optional PearlProtector Clear Coat
 Custom Color Capabilities
 Single Component Design

Environmentally friendly, low-odor application
 Adds elegance to any space and/or design
 Can be applied to a variety of surfaces and substrates
 Provides added durability and cleanability
 Adapts to virtually any color scheme
 Easier application, no additives or pot life

Quantities and Colors

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

Technical Information and Test Results

Solids by Volume:	34%
Solids by Weight:	39%
Flash Point:	Non-flammable (aqueous system)
Fire Rating:	ASTM E-84-91a Class A - Flame 10, Smoke 5
Max. VOC:	less than 150g/l
Scrub Resistance:	ASTM D-2486 More than 2000 cycles with PearlProtector
Stain Resistance:	ASTM D-1308: Excellent
Washability:	ASTM D-3450: Excellent
Application Temperature:	50°-80°F, RH < 50%
Spread Rate:	Approximately 200 sq. ft. per gallon at 6-8 mils wet
Clean-up:	Water (no soap)
Dry Time:	To touch - 30minutes, to re-coat - mist coats may be re-applied when tacky
Shelf Life:	12 months

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 LiquaPearl 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. A level 5 finish is recommended. 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.

***IMPORTANT:** LiquaPearl is a highly reflective finish that, upon application, may exhibit some color variation that is normal. Specifically, colors may exhibit slight variation in darkness/lightness upon installation. The degree of surface smoothness prior to product application, applicator spray technique, and the effects of artificial and natural light sources will also impact the uniformity of finish appearance. New gypsum wallboard should be prepared in to a Level 5 smoothness degree in accordance with the Gypsum Association's GA214 standard. MCT strongly recommends that specifiers require applicators to prepare a benchmark sample in accordance with PDCA P5-94 "Benchmark Sample Procedure for Paint and Other Decorative Coating Systems." Very smooth surfaces will produce the best results.

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.

Conventional Sprayer: BINKS® 2001 - 63 PB External Mix Air Cap, 66 SS Fluid Nozzle and 565 Needle, 2 Gallon Pressure Pot OR EQUIVALENT. Recommended Compressor: 6.5 CFM @ 90 PSI or greater

Airless Sprayer: Not Recommended

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 LiquaPearl only when surface and ambient air temperatures are 50°F – 80°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.

IMPORTANT! Pearl effects are made possible by reflected light and, therefore, are very sensitive to the smoothness of the surface to which they are applied (rough surfaces refract light). Surface imperfections will "telegraph" through the LiquaPearl finish and may even be amplified.

For applications onto drywall, great attention should be paid to the quality of taping, sanding and sealing/priming. A level 5 finish in accordance with the Gypsum Association's GA214 standard is highly recommended.

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.

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.
- Strain material directly into pressure pot or quart cup using a nylon strainer bag. **DO NOT USE CHEESE CLOTH.**

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!

HVLP Sprayer

LiquaPearl is applied by multiple passes (coats) over a properly primed surface. Most applications will require 3 passes to match a standard finish. A fourth pass may be necessary depending upon color. This is critical to ensure an even and consistent finish. Good lighting and visibility are essential while spraying.

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

- ☐ Set material adjustment knob to the widest fan possible. Turn airflow knob to maximum airflow setting to achieve an even atomization. If an even atomization is not achieved, reduce the material flow.
- ☐ 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 LiquaPearl 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. Slowly building the finish reduces the chances of striping and sags. Wait until previous coat is tacky to the touch - approximately 5 minutes in good drying conditions - before spraying subsequent passes. If the wall has been properly prepared, blotchiness will even out with repeated passes.

1 st PASS:	Light pass – Primer still visible
2 nd PASS:	Light pass – Some primer still visible
3 rd PASS:	Heavier pass – Keep same settings at gun by spray this pass a little slower
4 th PASS:	(if needed) Light pass – to even out finish

- ☐ 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 LiquaPearl is hard dry to touch – approximately 30 minutes in good drying conditions – before applying PearlProtector.

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 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.	