

Distributed By:

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Product Description

MDC PearlProtector is a water-based, acrylic urethane dispersion that provides an exceptional abrasion and crack-resistant protective clear coating for use with LiquaPearl. The dry film is crystal clear and highly resistant to yellowing. When fully cured, PearlProtector (PP) exhibits great resistance to chemicals and is very cleanable. PearlProtector is available in satin or gloss sheen, is UV-protected and offers excellent gloss retention.

Water-based Formula	Environmentally friendly, low-odor application
Urethane Enhanced	Added durability and scrubability
Budget Sensitive	Quick and easy installation using standard equipment
Convenient Spray Application	

Quantities and Finishes

Container Sizes: 1 gallon and 5 gallon pails
 Finishes: Satin or High Gloss (specify at time of purchase)

Technical Information and Test Results

Solids by Volume:	33%
Solids by Weight:	33%
Max. VOC:	less than 150g/l
Flash Point:	Non-flammable (aqueous system)
Fire Rating:	ASTM E-84-91a Class A – Flame 5, Smoke 0
Scrub Resistance:	ASTM D-2486: More than 2000 scrub cycles
Washability (Stain Removal):	ASTM D-3450: Excellent
Finish:	Gloss or Satin
Coverage Rate:	Approximately 400 sq. ft. per gallon at 4-5 mils wet
Application Temperature:	50°-80°F, RH < 50%
Dry Time:	To touch – 30minutes, 4 hours to re-coat
Shelf Life:	12 months

Project Conditions

Apply PearlProtector only when surface and ambient air temperatures are 50°-80°F and relative humidity is less than 50% for a period of 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. Product may yellow if not applied to manufacturer's specifications.

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

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

Surface Preparation

When applying over a freshly sprayed LiquaPearl finish, allow the finish to dry hard to touch – a minimum of two hours – before applying Pearl Protector. For best results apply PearlProtector within 48 hours of LiquaPearl application. If other than a freshly applied finish coat, clean the surface with a mild detergent solution to ensure that it is clean and free of wax or grease. Do not apply PearlProtector over surfaces previously painted with products containing wax, silicones or stearates. If applying a second coat of PearlProtector over an initial application PearlProtector that was installed 48 hours prior, lightly scuff-sand the dry film prior to re-coating.

Product Preparation

Mix product thoroughly. Be careful not to over-agitate, introducing excessive air into the product.

DO NOT THIN THE PRODUCT

DO NOT LET THE PRODUCT FREEZE

Application: Apply PearlProtector in a continuous, uniform, pin-hole free film.

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: Not Recommended

Pressure: Set pressure low enough to prevent over-atomization of product and resulting dry spray.

Avoid: Avoid lapping by stopping at wall corners or other natural break point.

Avoid: Do not apply in direct sunlight or onto hot surfaces.

Avoid: Product may yellow if not applied according to manufacturer's specifications.

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

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. Do 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.	