

Product Data Sheet

PRODUCT DESCRIPTION

Milamar DE Metallic Effects is a unique decorative coating with metallic or pearlescent properties for the optimum in decorative epoxy floor systems. Comprised of a dark colored primer for brighter effects when using gold, copper, silver, pearl and other metallic finishes or light colored primer for softer pearlescent finishes; a metallic filled epoxy flood coat using different techniques to create a wide variety of different effects with the metallic and additional finish coat for smooth finish. This system is often sealed with a clear urethane finish coat for added abrasion resistance. Nonslip texture also available with urethane finish coat.

TYPICAL USE

Milamar DE Metallic Effects is used in commercial and retail applications in a variety of business such as restaurants, office buildings, museums, athletic and entertainment facilities.

LIMITATIONS

Avoid on or below grade applications where water vapor transmission is greater than 5 lbs./1000 sq. ft. per 24 hrs. based on calcium chloride test or where ambient operating temperatures exceed 170° F.

Substrate must be sound, dry and free of surface contamination. Ambient air temperature must be at least 65°F and 3°F above dew point during application.

PACKAGING

Standard packaging for **Milamar DE Metallic Effects** clear epoxy is 3 gallon kits, color packs for primer and accents in quart cans and metallic powders in 4 ounce jars.

STORAGE

Store in a dry area at temperatures between 60°F and 90° F. Protect product from freezing and excessive heat. Minimum shelf life is one year from date of manufacture when stored properly.

FEATURES & BENEFITS

- Bright Metallic Colors
- Special Effects
- Good Chemical Resistance
- Smooth Cleanable Texture
- Excellent Abrasion & Impact Resistance
- Low Odor

CAUTION

Milamar

DE Metallic Effects is intended for use by professional installers familiar with metallic systems. Although a wide range of designs and effects are possible, no two applications are exact. Temperature of slab, material and environment as well as method installed can vary the finished results.

COMPLIANCES

Milamar DE Metallic Effects is compliant with the national and local volatile organic compound (VOC) regulations for Architectural and Industrial Maintenance Coatings. Urethane finish coats are available in VOC compliant formulations.

AVAILABILITY

Milamar products are available only through selected and approved applicators and distributors. This material should be installed by skilled, seamless flooring technicians. It is neither designed for nor available for consumer use.

COLOR SELECTION

Due to the unique color effects that are possible, color selection should be discussed with the installer.

CHEMICAL RESISTANCE

Milamar DE Metallic Effects is resistant to most common industrial chemicals and solvents. An abbreviated list follows. When urethane finish coat is used, consult specific product sheet for chemical resistance.

REAGENT	30 MIN.	24 HRS.	7 DAYS
Acetone	NA	F	F
Acetic Acid	NA	F	F
Ammonium Hydroxide (28%)	NA	NA	NA
Calcium hypochlorite	NA	D	D
Clorox	NA	NA	NA
Ethylene Glycol	NA	NA	NA
Gasoline	NA	NA	NA
Isopropyl Alcohol (98%)	NA	NA	NA
Mineral Spirits	NA	NA	NA
Nitric Acid (10%)	NA	F	F
Nitric Acid (70%)	D	F	F
Skydrol #500	NA	NA	NA
Sulfuric Acid (10%)	NA	NA	D
Sulfuric Acid (45%)	NA	NA	D
Sodium Hydroxide (30%)	NA	NA	NA
Toluene	NA	F	F

N/A = NO ATTACK D = DISCOLORED F = FAILED

PHYSICAL PROPERTIES		
Compressive Strength	ASTM C-579	>12,000 psi
Tensile Strength	ASTM D-638	5,992 psi
Flexural Strength	ASTM C-580	7,127 psi
Bond Strength	ASTM-D-4541	>350 psi concrete failure
Linear Shrinkage	ASTM C-883	Nil
Hardness, Shore D	ASTM D-	82 - 85
Water Absorption	ASTM C-413	<.01
Abrasion Resistance	ASTM D-	.07 gram loss
Flammability	MIL-D-3134F	Fire Retardant
Indentation	MIL-D-3134F	.003"
Elongation	ASTM D-638	14%

Actual test results may vary due to the use of various aggregates, application methods and floor finish. The foregoing test results are based upon laboratory prepared samples and results may vary if not prepared by a professional technician.

CAUTION:

COMPONENTS OF OR PRODUCTS USED WITH AND DURING THE INSTALLATION OF DECOEFFECTS PRODUCTS MAY INCLUDE HAZARDOUS MATERIALS. All personnel exposed to or handling materials before and during installation must read and fully understand label precautions and Material Safety Data Sheets.

LIMITED WARRANTY

Milamar Coatings products are manufactured to be free of defects in material and workmanship in meeting the properties specified on its individual Product Data Sheets. Users and installers of Milamar Coatings products are solely responsible for determining the suitability of the products for specific product applications. Milamar Coatings makes no Warranty or Guarantee, express or implied, including warranties of fitness, design compatibility or merchantability, for any particular use and shall have no responsibility or liability, including direct, indirect or consequential damages, due to injury, delay or third party claims for installation or repair. Likewise, Milamar Coatings assumes no liability of any nature for products that are adjusted in the field or that do not utilize all specified Milamar Coatings components. Should any Milamar Coatings product be proved to be defective within one year from the date of shipment, Milamar Coatings will, at its sole discretion, either replace the material; issue a credit to the customer's account; or provide a cash refund for the initial, paid purchase price of the material. Potential claims regarding product quality must be received in writing by Milamar Coatings within 30 days of the discovery of such potential defect. This Warranty is exclusive of all other warranties, expressed or implied, and may only be adjusted in writing, signed by an officer of Milamar Coatings, L.L.C

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