

Product Data Sheet

PRODUCT DESCRIPTION

Milamar's **PMDBS** is a very durable and decorative epoxy flooring system comprised of a water clear, moisture tolerant, multi-purpose epoxy and various quartz aggregates. Designed to be extremely versatile, the surface finish can range from very aggressive and slip resistant, to nearly glass smooth. This top quality epoxy formulation exhibits very good chemical resistance, excellent abrasion and impact resistance and superior color stability.

Adjustable curing rates allow **PMDBS** to be installed under most environmental conditions. Fast cure hardeners can return the floor to service in under 24 hours. It is the perfect choice when economy, durability and aesthetics are desired.

TYPICAL USE

Use **PMDBS** in virtually any commercial and institutional applications and many industrial areas where a decorative, slip resistant, seamless floor is needed. It will withstand the rigors of all but the heaviest industrial traffic and chemical exposure. It is commonly found in automotive show rooms, food service areas, surgical prep areas, pharmaceutical, laboratories, rest rooms, correctional facilities, wet process areas, and showers and locker areas.

LIMITATIONS

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

Substrate must be relatively smooth, sound, dry and free of surface contamination. Ambient air temperature must be at least 55° F and 3° F above dew point during application. Not intended for exterior applications.

PACKAGING

Standard packaging for liquid portion is 15 gallon units and 3 gallon kits. Standard packaging for colored quartz aggregate is 50# bags.

STORAGE

Store in a dry area at temperatures between 50°F and 90° F. Protect product from freezing and excessive heat.

Minimum shelf life is one year from date of manufacture when properly stored.

THICKNESS

Normal thickness is a nominal 1/8". Additional thickness may be specified for additional wear and impact resistance.

FEATURES

- Seamless
- Decorative
- Variety of Finishes
- Chemical and Stain Resistant
- Minimal Odor During Installation
- Integral Cove Base Option

BENEFITS

- Sanitary
- Improved Aesthetics
- Slip Resistant or Very Easily Cleaned
- Reduced Maintenance Costs
- Can be Installed in Most Environments
- Reduced Down Time for Application
- Excellent Return on Investment

CAUTION

PMDBS systems are intended for use by professional applicators. Results are highly dependent upon their skills. Although materials are safe if properly handled, all personnel who are exposed to any chemicals must read and completely understand precautions and warnings on label and MSDS prior to use.

COMPLIANCES

All components of **PMDBS** are compliant with current EPA and State of California Air Resources Board architectural coatings volatile organic compound (VOC) rule.

CHEMICAL RESISTANCE/PHYSICAL PROPERTIES

PMDBS flooring is very resistant to most common physical stresses, industrial chemicals and solvents. For more comprehensive chemical resistance analysis or physical

properties test results, contact **Tele-Tech at 1-800-459-7659**.

REAGENT	30 MIN.	24 HRS.	7 DAYS
Acetone	NA	F	F
Acetic Acid, 20%	NA	NA	F
Ammonium Hydroxide (28%)	NA	NA	NA
Clorox	NA	NA	NA
Ethylene Glycol	NA	NA	NA
Gasoline	NA	NA	NA
Iodine	D	D	D
Isopropyl Alcohol (98%)	NA	NA	NA
Mineral Spirits	NA	NA	NA
Nitric Acid 20%	D	D	F
Skydrol #500	NA	NA	NA
Sulfuric Acid (45%)	NA	NA	D
Sodium Hydroxide (30%)	NA	NA	NA
Toluene	NA	F	F

NA=Not Affected, D=Discolored, F=Failed

Physical Property	Test	Result
Compressive Strength	ASTM C-579	12,120 psi
Tensile Strength	ASTM D-638	6,846 psi
Flexural Strength	ASTM C-580	4,350 psi
Bond Strength	ACI 503R	>350 psi
Linear Shrinkage	ASTM C-883	Nil
Hardness	ASTM D-2240	83 Avg.
Water Absorption	ASTM C-413	.009%
Flammability	MIL-D-3134F	Fire Retardant
Abrasion Resistance, 1000 gram load/1000 cycles	ASTM D-4060	.06 gram loss
Indentation	MIL-D-3134F	.005 / .000
Elongation	ASTM D-638	4%

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.

AVAILABILITY

Milamar's Polymer Products are available only through selected and approved applicators. This material is intended for commercial and industrial installations and should be installed by skilled, seamless flooring technicians. It is neither designed for nor available for consumer use.

Custom design assistance may be obtained by contacting **Tele-Tech at 1-800-459-7659** 8:00 AM through 4:00 PM Central time.

COLOR SELECTION

Colors are determined by the aggregate chosen. Contact your local **Milamar Coatings Applicator** for selection. (Custom blends/colors are available, some at additional charge)

CAUTION

COMPONENTS OF OR PRODUCTS USED WITH AND DURING THE INSTALLATION OF MILAMAR POLYMER 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, 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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