

Product Data Sheet

PRODUCT DESCRIPTION

Milamar PM375 is exceptional new, oil tolerant epoxy based primer. Intended for use with other **Milamar** seamless floors, use **PM375** to improve adhesion to any petroleum oil contaminated concrete substrate. **PM375** can also be used to enhance adhesion of membrane systems, polymer overlayment, and polymer setting beds. When using **PM375** primer, always test for compatibility and get finish manufacturer's approval before using **PM375** as a primer.

TYPICAL USE

Choose **PM375** as a primer for extra insurance against bond failures when concrete substrate has been saturated with oil and grease. Universal **PM375** was specifically designed for use as a primer for troweled epoxy, broadcast floors, slurry and self-leveling polymer floors, even epoxy and acrylic terrazzo floors in most heavy duty, industrial and commercial applications.

It is commonly used as the first step in renovating floors in heavy industry, such as automotive manufacturing, machine shops and metals processing plants.

FEATURES

- **Unique Formulation**
- **Exceptional Bond Strength to Oily Surfaces**
- **VOC Compliant, high solids primer**
- **Low odor**
- **Faster Return to Service**
- **Reduced Repair Costs**

STORAGE

For best shelf life, store **PM375** in a dry area at temperatures between 50° F and 90° F. Protect product from freezing.

Preferred installation temperature is 70° F to 80° F. Minimum shelf life is one year from date of manufacture.

INSTALLATION

The performance of any floor coating is highly reliant upon proper preparation of the substrate. For assured adhesion, substrate must be free of all surface

contamination such as built up grease and dirt, oil, laitance or curing compounds. Oily or greasy concrete should be degreased first, then shot blasted to create a surface texture similar to coarse sandpaper.

After mechanically cleaning the concrete surface, a thorough degreasing is suggested to remove any remaining grease or oil residue. Apply industrial grade, non-sudsing, free rinsing detergent with a stiff bristle brush. Allow to stand for 15 minutes. Vigorously agitate surface with power scrubber. Rinse and remove all excess water with squeegee or wet/dry vacuum and let floor dry completely.

After substrate is properly prepared, **PM375** epoxy primer is normally applied with squeegee and vigorously brushed into surface with a stiff bristle broom to force primer into substrate. Backroll with 3/8" nap roller to level and prevent any puddling. Allow to cure to a tacky surface (approx. 6 hrs. @ 75° F) before beginning installation of floor system.

LIMITATIONS

Not designed for animal, vegetable or synthetic oil contaminated surfaces. Avoid on or below grade applications where water vapor transmission is greater than 3 lbs. /1000 sq. ft. per 24 hours or where ambient operating temperatures exceed 180F. Apply at temperatures above 60°F. Allow to cure before applying topcoats. A slight tacky but set surface is acceptable. Do not exceed 250 square feet per mixed gallon.

PACKAGING

PM375 is packaged in 3 gallon kits and 15 gallon units.

COVERAGE

Coverage is 250 square feet per mixed gallon.

CURE RATES

Cure, slight tack	6 hrs. @ 75° F, 55% RH
Pot Life	20 mins. @ 75° F, 55% RH
Recoat Time	Must be coated within 24 hrs.

Physical Property	Test	Result
Tensile Strength	ASTM D-638	6,297 psi
Flexural Strength	ASTM C-580	7,127 psi
Bond Strength	ASTM-D-4541	Concrete
Water Absorption	ASTM C-413	<.01
Indentation	MIL-D-3134F	.003"
Elongation	ASTM D-638	7%
Solids Content	by weight	85%

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.

COMPLIANCES

V.O.C.

1.5 lbs. per gallon

182 grams per liter.

PM-375 is compliant with EPA architectural coatings volatile organic compound (VOC) rule.

AVAILABILITY

Milamar products are available only through selected and approved applicators and distributors. 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.

COLOR SELECTION

PM-375 Clear is amber in color.

CAUTION:

COMPONENTS OF OR PRODUCTS USED WITH AND DURING THE INSTALLATION OF **MILAMAR** 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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