



PolyMax[™]
Maximum Performance Polymer Flooring

PM-300

HEAVY DUTY EPOXY COATING

PRODUCT DATA SHEET

PRODUCT DESCRIPTION

PolyMax 300 Heavy Duty Epoxy Coating is a cycloaliphatic amine cured, pigmented high build epoxy, designed to be used where extra chemical, impact and abrasion resistance is required. Used primarily in heavy industrial and commercial applications, it can be applied with a smooth, high gloss finish or it can be combined with various aggregates to obtain virtually any level of slip resistance required.

This specially formulated epoxy exhibits excellent chemical, abrasion and impact resistance and excellent color retention. When properly installed at 8 to 16 mils, it will out wear normal floor paints up to 10 times

TYPICAL USE

Versatile **PM-300** can be used as a heavy duty epoxy floor coating over concrete or steel, a finish coat for an epoxy mortar or broadcast overlay, or a primer/color coat for **PolyMax Specialty Urethane** finishes.

PM-300 epoxy coating is commonly installed in chemical processing areas, high traffic warehouses, loading docks, chemical laboratories, printing plants and machine shops.

Use **PM-300** anywhere a top quality, chemical and abrasion resistant finish is required.

FEATURES

- Top Quality Formulation
- Long Lasting
- Variety of Finishes
- Low VOC
- Fast Curing
- Very Good Chemical and Abrasion Resistance
- Good Impact Resistance
- Good Color retention

INSTALLATION

The performance of any floor coating is highly reliant upon proper preparation of the substrate. Substrate must be free of all contamination such as laitance, curing compounds, dirt, oil and or rust scale. Steel must be brush blasted to white metal, SSPC-SP 5 or similar. Concrete should be lightly shot blasted or diamond ground to a finish similar in texture to 100 grit sand paper. Primers are necessary only when the substrate is porous. **PM-300** epoxy develops adhesion properties stronger than concrete when substrate is properly prepared.

PM-300 epoxy coating is normally either rolled or squeegeed and back rolled. If a slip resistant finish is required, the appropriate aggregate can be broadcast on the surface once the coating has been applied. Contact **Tele-Tech at 1-800-459-7659** for assistance and equipment suggestions.

PACKAGING

PM-300 is normally packaged in 15 gallon units and 3 gallon kits.

CAUTION

PM-300 Epoxy Coating Systems are intended for use by professional applicators. Although safe if properly handled, all personnel who are exposed to any chemical must read and completely understand precautions and warnings on label and MSDS prior to use.

STORAGE

For best shelf life, store **PM-300** epoxy in a dry area at temperatures between 50° F and 90° F. Protect product from freezing. Minimum shelf life is one year from date of manufacture when properly stored.

LIMITATIONS

Avoid on or below grade applications where moisture vapor emission is greater than 5 lbs./1000 sq. ft. per 24 hrs. or where ambient operating temperatures exceed 170° F. Apply at temperatures above 50° F and below 90° F. **PM-300 Epoxy Coating** is not designed for exterior use or constant exposure to direct sun light.

COMPLIANCES

PM-300 is compliant with EPA Architectural and Industrial Maintenance (AIM) Coatings volatile organic compounds (VOC) rule, New York City AQMD Rule 205 and the New Jersey VOC requirements.

CHEMICAL RESISTANCE

PM-300 Epoxy is very resistant to most common industrial chemicals and solvents. An abbreviated list follows. For more comprehensive chemical resistance analysis, contact **Tele-Tech at 1-800-459-7659**

REAGENT	30 MIN.	24 HRS.	7 DAYS
Acetone	D	F	F
Acetic Acid	N	D	F
Acetic Acid (50%)	N	N	N
Ammonium Hydroxide (28%)	N	N	N
Clorox	N	N	N
Ethylene Glycol	N	N	N
Gasoline	N	N	N
Isopropyl Alcohol (98%)	N	N	N
Mineral Spirits	N	N	N
Nitric Acid (10%)	N	N	D
Nitric Acid (50%)	D	D	D
Skydrol #500	N	N	N
Sulfuric Acid (45%)	N	N	D
Sulfuric Acid (90%)	F	F	F
Sodium Hydroxide(30%)	N	N	N
Toluene	N	N	N
Urine-Synthetic (6.6%)	N	N	N

N = NO ATTACK D = DISCOLORED F = FAILED

Physical Property	Test	Result
Compressive Strength	ASTM C-579	12,900 psi
Tensile Strength	ASTM D-638	5,300 psi
Flexural Strength	ASTM C-580	5,351 psi
Bond Strength	ASTM D-4541	> 350 psi
Linear Shrinkage	ASTM C-883	nil
Hardness, Shore D	ASTM D-2240	84 @ 75° F
Hardness, Pencil	ASTM D-3363	F
Water Absorption	ASTM C-413	0.009%
Abrasion	ASTM D-4060	.070 gram loss
Flammability	MIL-D-3134F	Fire retardant
Indentation	MIL-D-3134F	nil
Elongation	ASTM D-638	2.1%

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.

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AVAILABILITY

PolyMax 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.

Custom design assistance may be obtained by contacting **PM Tele-Tech at 1-800-459-7659** 9:30 AM through 4:30 PM Central time.

COLOR SELECTION

Standard colors are Gray, Dark Gray, Tile Red, White and Mocha. Custom colors are available in 250 gallon minimums at additional charge

CAUTION:

COMPONENTS OF OR PRODUCTS USED WITH AND DURING THE INSTALLATION OF POLYMAX COATINGS 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

POLYMAX COATINGS are manufactured to meet the highest level of consistency and quality for their intended use. All **PM300** materials are warranted to meet the physical properties as listed above. Should any **POLYMAX COATING** be proven to be defective within one year of the date of shipment, the material will be either replaced or at our discretion, a credit for the full purchase price will be issued. The successful performance of seamless flooring is highly dependent upon many factors beyond our control. Therefore, except for such replacement or refund **POLYMAX** and it's affiliates **MAKE NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS, DESIGN COMPATIBILITY OR MERCHANTABILITY, RESPECTING ITS COATINGS.** Other than that stated in the foregoing, **POLYMAX** and its affiliates shall have no other responsibility or liability, including direct and/or indirect and/or consequential damages and/or damages from delay and/or damages to any third party with respect to the use of it's materials. Claims regarding product quality must be received in writing within 30 days of discovery of defect.