



# PM-210

## ZERO VOC INDUSTRIAL EPOXY FLOOR COATING

### PRODUCT DATA SHEET

#### PRODUCT DESCRIPTION

**PolyMax 210 Epoxy Coating** is a durable pigmented, high build, zero VOC, multipurpose two component, epoxy coating. It is not a floor paint. Used primarily in industrial and commercial applications, it can be applied with a glass 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 has good chemical, abrasion and impact resistance and excellent color stability. When properly installed, this 8 to 20 mil finish will out last normal floor paints by at least 5 times.

#### TYPICAL USE

Versatile **PM-210** 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-210** epoxy coating is commonly installed in food processing areas, commercial kitchens, warehouses, hospitals, schools, laboratories, printing plants and mechanical shops.

Use **PM-210** anywhere a good quality, chemical and abrasion resistant finish is required.

#### FEATURES

- Top Quality Formulation
- Economical Price - Longer Lasting
- Easy to use - 2 to 1 Mix Ratio
- Variety of Finishes
- Solvent Free
- Fast Curing
- Good Chemical and Abrasion Resistance
- Good Impact Resistance
- Reduced Mixing Errors

#### INSTALLATION

The performance of any floor coatings is highly reliant upon proper preparation of the substrate. Substrate must be free of all contamination such as laitance, curing compounds, dirt, oil and rust scale. Steel must be shot blasted to white metal. Concrete should be lightly shot blasted or acid etched and neutralized to a smooth, even finish similar in texture to 100 grit sand paper. Primers are necessary only when the substrate is porous. **PM-210** epoxy develops adhesion properties stronger than concrete when substrate is properly prepared.

**PM-210** epoxy coating is normally either rolled or squeegeed and back rolled. If a slip resistant finish is required, the appropriate aggregate can be pre-mixed with the A and B components or it may be broadcast on the surface once the coating has been applied. **PM-210** can also be sprayed. Contact **Tele-Tech at 1-800-459-7659** for assistance and equipment suggestions.

#### PACKAGING

To maintain our top quality and low price, **PM-210** is normally packaged in 5 gallon pails. 55 gallon drums and one gallon cans are also available with minimum quantity restrictions.

#### CAUTION

**PM-210 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-210** 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 water vapor transmission is greater than 5 lbs./1000 sq. ft. per 24 hrs., or where ambient operating temperatures exceed 150° F. Apply at temperatures above 50° F and below 90° F.

## COMPLIANCES

**PM-210** is a zero VOC product and is compliant with the State of California Air Resources Board approved architectural coatings volatile organic compound (VOC) rule, San Diego APCD Rule 67, New York City AQMD Rule 205 and the New Jersey VOC requirements.

## CHEMICAL RESISTANCE

**PM-210** 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	F	F	F
Acetic Acid (10%)	N	N	N
Ammonium Hydroxide (28%)	N	N	N
Clorox	N	N	D
Ethylene Glycol	N	N	N
Gasoline	N	N	N
Isopropyl Alcohol (98%)	N	N	N
Mineral Spirits	N	N	N
Nitric Acid (10%)	N	D	F
Nitric Acid (70%)	F	F	F
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	F	F
Urine-Synthetic (6.6%)	N	N	N

N = NO ATTACK      D = DISCOLORED      F = FAILED

Physical Property	Test	Result
Compressive Strength	ASTM C-579	12,200 psi
Tensile Strength	ASTM D-638	5,200 psi
Flexural Strength	ASTM C-580	5,351 psi
Bond Strength	ASTM D-4541	> 300 psi
Linear Shrinkage	ASTM C-883	nil
Hardness	ASTM D-2240	84 @ 75° F
Water Absorption	ASTM C-413	0.019%
Flammability	MIL-D-3134F	Fire retardant
Indentation	MIL-D-3134F	0.010"/0.00"
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.

## 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** 8:00 AM through 4:00 PM Central time.

## COLOR SELECTION

Standard colors are White, Gray, Dark Gray, Tile Red 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 PolyMax 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 its 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.

### milamar coatings

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