



# PM-350V

## HEAVYDUTY EPOXYCOATING

### PRODUCT DATA SHEET

#### PRODUCT DESCRIPTION

**PolyMax 350 V, Heavy Duty Epoxy Coating** is an acrylated, cycloaliphatic amine cured, pigmented high build epoxy, designed to be used where extra chemical, impact and abrasion resistance is required. Used primarily for vertical surface in heavy industrial and commercial applications, it can be applied with or without fiberglass reinforcement to custom design the system to the specific needs of the customer. The finish is normally high gloss. A chemical resistant urethane final coat is available.

This versatile system can be customized to meet virtually any heavy duty wall and ceiling coating requirement and provide a service life several times greater than epoxy paints.

#### TYPICAL USE

When combined with a PolyMax polymer seamless flooring system, using PM 350 V allows one to turn any room into a Polymer Envelope that is fully resistant to most common chemicals, impact and abrasion. It is ideal for clean rooms, surgical suites, emergency rooms, recovery rooms, laboratories, nuclear handling facilities, animal colonies, necropsy rooms, showers, hydro therapy areas, fire houses, correctional facilities and kitchens.

Non reinforce **PM350 V** is typically used with filled concrete block or industrial glazed block and the glass reinforced system is typically used over drywall, FRP board or other low density substrates.

Use **PM350 V** anywhere a top quality, chemical and abrasion resistant wall and ceiling finish is required.

#### FEATURES

- Top Quality Formulation
- Economical Price - Longer Lasting
- Resistant to High Ambient Temperature
- Exceptional Color Stability
- Very Low VOC
- Fast Curing
- Excellent Scratch Resistance

#### 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, dust, oil and rust scale. Steel must be blasted to white metal. Concrete should be smooth and even with a finish similar in texture to 100 grit sand paper. Concrete block should be filled with a high quality, epoxy block filler, sanded to a smooth finish and coated within 24 hours of cure. Drywall should be heavy duty gypsum. Blue board, Green board or cement boards are preferred substrates. Glazed block must have the glaze broken by grinding or acid etching. Fiberglass Reinforce Plastic (FRP) board should be thoroughly sanded and solvent wiped with P10 interlaminary primer

**PM350 V** epoxy coating require specific high build wall coating installation experience. Reinforced systems require fiberglass lay-up expertise. Contact **TeleTech at 1-800-459-7659** for assistance and equipment suggestions.

#### PACKAGING

**PM350 V** is normally packaged in 5 gallon pails.

#### STORAGE

For best shelf life, store **PM350 V** 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 or application temperatures below 40° F & above 90° F. **PM350 V EPOXY COATING** is not designed for exterior use or constant exposure to direct sun light.

#### CAUTION

**PM350 V 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.

## COMPLIANCES

**PM350 V** is compliant with EPA architectural coatings volatile organic compound (VOC) rule, New York City AQMD Rule 205 and the New Jersey VOC requirements.

## CHEMICAL RESISTANCE

**PM350 V** 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 (50%)        | N       | N       | N      |
| Acetic Acid              | N       | D       | F      |
| 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 (70%)        | F       | F       | F      |
| Skydrol #500             | N       | N       | N      |
| Sulfuric Acid (10%)      | N       | N       | N      |
| Sulfuric Acid (45%)      | N       | N       | N      |
| 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 C-307  | 5,300 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  | 0.009%         |
| 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.

## 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 **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** Products are manufactured to meet the highest level of consistency and quality for their intended use. All **PM350 V** materials are warranted to meet the physical properties as listed above. Should any **POLYMAX** Products 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.

### milamar coatings

12005 N. Virginia Avenue, Oklahoma City, OK 73120  
Phone: 1-405-755-8454 Fax: 1-405-755-8449