



# PM250 V

## HEAVY DUTY EPOXY WALL COATING

### PRODUCT DATA SHEET

#### PRODUCT DESCRIPTION

**PolyMax 250 V Heavy Duty Epoxy Wall Coating** is an acrylated amine cured, pigmented high build epoxy, designed to be used where extra chemical, impact and abrasion resistance is required. Used primarily on vertical surfaces 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 recommended.

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 250 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 food service.

Non reinforce **PM250 V** is typically used over concrete block or poured concrete and the glass reinforced system is typically used for improved impact resistance especially on drywall and low density substrates.

Use **PM250 V** anywhere a top quality, chemical and abrasion resistant wall and ceiling finish is required.

#### FEATURES & BENEFITS

- Exceptional Color and Gloss Retention
- Outlast Traditional Paint By Five Times
- Easy to Clean
- Does Not Propagate Microbial or Fungal Growth
- Low VOC
- Use With or Without Fiberglass Reinforcement
- Excellent Scratch Resistance

#### INSTALLATION

The performance of any 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. On concrete block scrape any mortar projections or lumps from walls and joints. On poured concrete fill any deep crevices, bug holes etc. with PolyMax 620 Rapid Repair Paste. Drywall should be moisture resistant gypsum board. Cement board is an acceptable substrate. Fiberglass Reinforce Plastic (FRP) board should be thoroughly sanded and solvent wiped.

**PM250 V** epoxy wall coating require specific high build wall coating installation experience. Reinforced systems require fiberglass lay-up expertise.

#### PACKAGING

**PM250 V** is normally packaged in 15 gallon units and 3 gallon kits.

#### STORAGE

Store **PM250 V** epoxy in a dry area at temperatures between 60° F and 90° F. Protect product from freezing. Minimum shelf life is one year from date of manufacture when properly stored.

#### LIMITATIONS

Avoid applications where ambient operating temperatures exceed 150°F or application temperatures below 60°F & above 90°F. **PM250 V Epoxy Wall Coating** is not designed for exterior use. For constant exposure to direct sun light **PM500** Series urethanes are required.

#### CAUTION

**PM250 V Epoxy Wall 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

**PM250 V** is compliant with EPA architectural coatings volatile organic compound (VOC) rule,

## CHEMICAL RESISTANCE

**PM250 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 (10%)	N	N	N
Acetic Acid	N	F	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	D	D
Nitric Acid (70%)	F	F	F
Skydrol #500	N	N	N
Sulfuric Acid (45%)	N	N	D
Sodium Hydroxide (30%)	N	N	N
Toluene	N	D	F

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%
VOC, mixed		<76 grams/liter

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 with minimum requirements 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 **PolyMax 250 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 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 its materials. Claims regarding product quality must be received in writing within 30 days of discovery of defect.

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