



PM-DHD

DECORATIVE HEAVY DUTY FLOORING

PRODUCT DATA SHEET

PRODUCT DESCRIPTION

PolyMax DHD Decorative Heavy Duty Epoxy flooring is a troweled industrial epoxy flooring system with a decorative color quartz finish. It is particularly well suited for an attractive renovation of damaged old concrete floors. Surface texture can range from glass smooth to very aggressive and slip resistant to reduce employee slip fall injuries. Used on new floors, it will help prevent costly damage from impact and wear while dramatically improving esthetics.

This specially formulated epoxy has very good chemical and heat resistance, excellent abrasion and impact resistance with good color stability.

TYPICAL USE

PM-DHD is designed to withstand the rigors of moderate industrial use while adding the beauty of a multi-colored tweed affect to any floor. It is most often used in high capacity commercial and institutional kitchens, surgical suites, showers and drying areas, locker rooms and interior pool decks, automotive show rooms and customer waiting areas. The specially graded aggregates and heavy duty epoxy protect concrete floors from typical damage by harsh chemicals, impact and abrasion.

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 170° F.

Substrate must be sound, dry and free of surface contamination. Ambient air temperature must be at least 50° F and 3° F above dew point during application.

PACKAGING

Liquid components are normally packaged in 5 gallon pails. Unitized, larger or smaller packaging is available by special order with minimum quantity restrictions.

STORAGE

Store in a dry area at temperatures between 50° F and 90° F. Protect product from freezing and excessive heat. Minimum shelf life is one year from date of manufacture when stored properly.

THICKNESS

PM-DHD is typically installed at a 1/8" to 3/8" in thickness. Additional thickness may be specified for special uses.

FEATURES

- Seamless
- Restores Damaged Concrete
- Variety of Finishes
- Chemical and Stain Resistant
- Minimal Odor During Installation
- Decorative
- Very Impact Resistant

BENEFITS

- Sanitary
- Smooth & Even Traffic Surface
- Slip Resistant or Very Easily Cleaned
- Reduced Maintenance Costs
- Can be Installed in Most Environments
- Brightens any Environment
- Lasts for Years

CAUTION

PolyMax DHD systems are intended for use by professional applicators. Results are highly dependent upon the skill of the applicator. Although materials are safe if properly handled, all personnel who are exposed to any chemicals must read and completely understand precautions and warnings on label and MSDS prior to use.

COMPLIANCES

All components of **PM-DHD** are 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/PHYSICAL PROPERTIES

PM-DHD flooring is very resistant to most common physical stresses, industrial chemicals and solvents. For more comprehensive chemical resistance analysis or physical properties test results, contact **Tele-Tech at 1-800-459-7659**.

REAGENT	30 MIN.	24 HRS.	7 DAYS
Acetone	NA	F	F
Acetic Acid	NA	F	F
Ammonium Hydroxide (28%)	NA	NA	NA
Clorox	NA	NA	NA
Ethylene Glycol	NA	NA	NA
Gasoline	NA	NA	NA
Isopropyl Alcohol (98%)	NA	NA	NA
Mineral Spirits	NA	NA	NA
Nitric Acid (10%)	NA	D	F
Nitric Acid (70%)	D	F	F
Skydrol #500	NA	NA	NA
Sulfuric Acid (10%)	NA	D	D
Sulfuric Acid (45%)	NA	D	F
Sodium Hydroxide (30%)	NA	NA	NA
Toluene	NA	F	F

N/A = NO ATTACK D = DISCOLORED F = FAILED

Physical Property	Test	Result
Compressive Strength	ASTM C-579	10,905 psi
Tensile Strength	ASTM D-638	2,014 psi
Flexural Strength	ASTM C-580	4,990 psi
Bond Strength	ACI 503R	>300 psi
Linear Shrinkage	ASTM C-883	Nil
Hardness	ASTM D-2240	83 Avg.
Water Absorption	ASTM C-413	.009%
Flammability	MIL-D-3134F	Fire retardant
Indentation	MIL-D-3134F	.002"
Elongation	ASTM D-638	4%

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 Polymer Products are available only through selected and approved applicators. 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

Colors are determined by the aggregate chosen. Contact your local **PolyMax Coatings Applicator** for selection. (Custom colors are available at additional charge)

CAUTION

COMPONENTS OF OR PRODUCTS USED WITH AND DURING THE INSTALLATION OF POLYMAX POLYMER 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 Polymer Products are manufactured to meet the highest level of consistency and quality for their intended use. All products are warranted to meet the physical properties as listed above. Should any **PolyMax Polymer Products** be proven to be defective within one year of the date of shipment, the products 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 PRODUCTS.** 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 products. Claims regarding product quality must be received in writing within 30 days of discovery of defect.

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