

Product Data Sheet

PRODUCT DESCRIPTION

Milamar 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

PMDHD 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 9°F. Protect product from freezing and excessive heat. Minimum shelf life is one year from date of manufacture when stored properly.

THICKNESS

PMDHD 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

Milamar 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 **PDHD** 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

PMDHD 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% |
| Coefficient of Friction | ASTM D-2047 | .7 min |

*Finish coat may vary results. See Finish coat used for more information

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

Milamar 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 **Milamar Coatings Applicator** for selection. (Custom colors are available at additional charge)

CAUTION

COMPONENTS OF OR PRODUCTS USED WITH AND DURING THE INSTALLATION OF MILAMAR 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

Milamar Coatings products are manufactured to be free of defects in material and workmanship in meeting the properties specified on its individual Product Data Sheets. Users and installers of Milamar Coatings products are solely responsible for determining the suitability of the products for specific product applications. Milamar Coatings makes no Warranty or Guarantee, express or implied, including warranties of fitness, design compatibility or merchantability, for any particular use and shall have no responsibility or liability, including direct, indirect or consequential damages, due to injury, delay or third party claims for installation or repair. Likewise, Milamar Coatings assumes no liability of any nature for products that are adjusted in the field or that do not utilize all specified Milamar Coatings components. Should any Milamar Coatings product be proved to be defective within one year from the date of shipment, Milamar Coatings will, at its sole discretion, either replace the material; issue a credit to the customer's account; or provide a cash refund for the initial, paid purchase price of the material. Potential claims regarding product quality must be received in writing by Milamar Coatings within 30 days of the discovery of such potential defect. This Warranty is exclusive of all other warranties, expressed or implied, and may only be adjusted in writing, signed by an officer of Milamar Coatings, L.L.C

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