

ARMOR-REZ

HD



SYSTEM DESCRIPTION

Armor-Rez is a three component, high performance troweled epoxy mortar system, consisting of a low viscosity epoxy resin combined with a proprietary blend of graded aggregates. The Armor-Rez system is engineered to be installed at 1/8 to 1/4 inch thickness and can be sealed with a variety of topcoat choices specific to environmental demands. It cures to a hard, impact resistant flooring system with good abrasion and chemical resistance.

PRODUCT USES

Armor-Rez is designed for use in environments of heavy use that require protection against impact and abrasion with good chemical resistance. It can also be used to resurface older or damaged floors. Armor-Rez is used in areas such as heavy manufacturing facilities, aircraft maintenance facilities, automotive repair facilities and traffic aisles.

FEATURES & BENEFITS

- 100% Solids, Low VOC
- Low Odor Formula
- Excellent Impact Resistant
- Abrasion Resistant
- Chemical Resistant
- Qualifies for LEED Projects

COLORS

Armor-Rez HD is available in 16 standard colors.

SURFACE PREPARATION

Concrete must be clean, dry and profiled. Refer to the Armor-Rez application instructions for more detailed surface preparation instructions.

PRODUCTS

Typical usage suggests Epoxy 400 as primer/binder resin, Epoxy 400 Thixo as a grout coat and Polyurethane 100 or Polyurethane 100 VOC as a topcoat.

PHYSICAL PROPERTIES

| | |
|--|-------------|
| Compressive Strength (ASTM C 579): | 10,500 psi. |
| Tensile Strength (ASTM C 307): | 2500 psi. |
| Flexural Strength (ASTM C 580): | 4200 psi. |
| Hardness, Shore D (ASTM D 2240): | 85 |
| Impact Resistance (ASTM D 2794): | 160 in/lb |
| Flammability (ASTM E 648): | Class 1 |
| Thermal Shock Resistance (ASTM D 1044): | passes |
| Tabor Abrasion (ASTM D 4060): | 34 mg loss |
| (1000 gm. load 1000 cycles, CS 17 wheel) | |
| Water Absorption (ASTM D543): | 0.2% |
| Bond Strength (ACI 503.4-2.3.2): | |
| 350 psi, concrete failure | |

CHEMICAL RESISTANCE

Refer to Arizona Polymer Flooring Chemical Resistance Guide for full system chemical resistance.

CONCRETE MOISTURE

Calcium chloride in accordance with ASTM-F1869 or relative humidity probe testing in accordance with ASTM-F2170. In the event that test results in 3 pounds per 1000 sq. ft. per 24 hours, or 80% relative humidity, please refer to Arizona Polymer Flooring VaporSolve product information or go to www.vaporsolve.com.

INSTALLATION

Please refer to Armor-Rez HD installation guidelines for information and instructions.

WARRANTY

Arizona Polymer Flooring guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. ARIZONA POLYMER FLOORING MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Arizona Polymer Flooring shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.