

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
- Excellent Impact Resistant
- Abrasion Resistant
- Chemical Resistant

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.