

# ARMOR-REZ

## HD 135



### SYSTEM DESCRIPTION

Armor-Rez HD 135 is a highly durable, decorative system that is typically installed at 1/8 to 3/16 inch thick. It combines a troweled epoxy mortar base that can be topped with a broadcast of vinyl paint chips or broadcast aggregates and finished with a topcoat of clear epoxy with the option of an additional topcoat of polyurethane. Armor-Rez HD 135 provides the ideal combination of durability and design.

### PRODUCT USES

Armor-Rez HD 135 is designed for use in environments that require a decorative, heavy duty flooring system. Typical applications include laboratories, clean rooms, locker rooms, commercial kitchens and manufacturing facilities.

### FEATURES & BENEFITS

- Low VOC
- Impact Resistant
- Abrasion Resistant
- Chemical Resistant
- Qualifies for LEED Projects

### COLORS

Armor-Rez HD 135 is available in 12 standard colors.

### SURFACE PREPARATION

Concrete must be clean, dry and profiled. Refer to the Armor-Rez HD 135 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):	10,000 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)
Coefficient of Friction (ASTM F-1679):	0.8 dry
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](http://www.vaporsolve.com).

### INSTALLATION

Please refer to Armor-Rez HD 135 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.