

SYSTEM DESCRIPTION

APF ARMOR-REZ HD 135 is a five-component, high performance troweled epoxy mortar system consisting of a low viscosity epoxy resin combined with a proprietary blend of graded aggregates or vinyl mosaic flake. The Armor-Rez system is engineered to be installed at 1/8 to 1/4-inch thickness and can be sealed with various topcoat choices specific to environmental and performance demands. It cures to a hard, impact-resistant flooring system with good abrasion and chemical resistance.

PRODUCT USE

APF ARMOR-REZ HD 135 is designed for heavy use environments 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 heavy manufacturing facilities, aircraft maintenance facilities, automotive repair facilities, and traffic aisles.

ADVANTAGES

- High Solids, Low VOC
- Low Odor Components
- Impact Resistant
- Abrasion Resistant
- Chemical Resistant
- Available in Fast Cure Formulas

TECHNICAL DATA

Compressive Strength (ASTM C-579)	10,000 psi
Tensile Strength (ASTM C-307)	2,500 psi
Flexural Strength (ASTM C-580)	4,200 psi
Impact Resistance (ASTM D-2794)	160 in/lb

See product data sheet for individual component for more information.

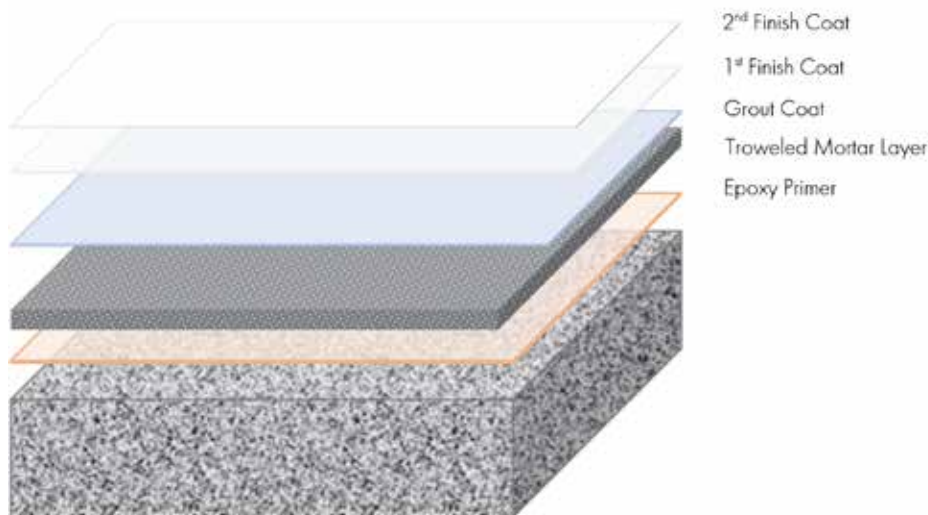
COLORS

APF ARMOR-REZ HD 135 is available in 16 standard colors and in safety colors for line striping. Refer to APF standard color chart.

TYPICAL CHEMICAL RESISTANCE

- Fuels, Mild Acids, Caustics
- Hydraulic Fluid
- Brake Fluid
- Ethylene Glycol
- Motor Oil/Grease Lubricants

Typical System Build



Refer to individual APF component product data sheets for complete product application instructions.

Typical System Buildup

Coat	Product	Thickness/Coverage
Patching, Filling, Moisture Vapor	APF Epoxy 300 Flex Paste APF VaporSolve System	As required
Primer	APF Epoxy 400	200 sq. ft./gallon
Epoxy Mortar Base	APF Epoxy 400 & Trowel Grade Quartz	3/16 - 1/4-inch (4.75 - 6.3mm)
Intermediate Operation	Grind Cured Surface	As Required
Grout Coat	APF Epoxy 400 Thixo	180 - 225 sq. ft./gallon
Broadcast	APF Blended Quartz or Vinyl Flake	As Required
Top Coat	APF Epoxy 400	275 - 325 sq. ft./gallon ~ 5 - 6 mils
Option 1: 2nd Finish Coat	APF Polyurethane 100 or 100 VOC	350 - 400 sq. ft./gallon ~ 4.0 - 4.5 mils
Option 2: 2nd Finish Coat	APF Polyurethane 325	350 - 400 sq. ft./gallon ~ 4.0 - 4.5 mils
Option 3: 2nd Finish Coat	APF Polyurethane 501	200 - 350 sq. ft./gallon ~ 8.0 - 4.5 mils

LIMITATIONS

- Prior to application, measure and confirm that ambient temperature and humidity conditions are at least 5°F over dew point.
- High humidity/low temperature will prolong cure time
- Use of kerosene or propane forced air heating equipment during application may cause discoloration and finish defects.
- Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions

CONCRETE MOISTURE

Test for concrete moisture in accordance with ASTM F2170 – 19. If moisture is indicated to be in excess of 85%, apply **APF VaporSolve®** system in accordance with the published technical data sheet. Consult APF Technical Service for further information.

HANDLING & SAFETY

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin; wear protective gloves. User must read and understand Safety Data Sheet before using. APF Safety Data Sheets are available at www.apfepoxy.com

APF ARMOR-REZ SDS 04.07.2021

Standard Warranty

ICP BUILDING SOLUTIONS GROUP, the owner of Arizona Polymer Flooring, warrants that the product is produced within specifications and is free from defect. No warranty shall be in effect until ICP Building Solutions Group Terms and Conditions of Sales are met, including payment and cooperative promotional considerations. ICP Building Solutions Group warrants that the covered product is free of defect and suitable for the specified purpose for a period of one (1) year from the date of shipment, provided the product is installed within its published shelf life, in strict conformance with specifications, and/or written project-specific installation guidance from authorized representation. ICP Building Solutions Group warrants only when product is handled, stored, mixed and applied in accordance with published recommendations. It is purchaser responsibility to initiate any claim against this warranty within a reasonable time. If determined by ICP that the product does not meet this warranty, the liability of ICP Building Solutions Group shall be limited to refund of the purchase price or provision of replacement product, neither needing to exceed the affected area as determined by a person authorized to perform technical representation for ICP Building Solutions Group. To obtain a replacement or refund the customer must provide written notice containing full details of the non-conformity suspected. The purchaser, owner or their representative shall notify ICP Building Solutions Group, in writing, within five (5) working days concerning any potential defect, or as needed before conditions deteriorate and increase repair costs. ICP Building Solutions Group reserves the right to inspect the non-conforming material prior to replacement. ICP Building Solutions Group may in its discretion refund the purchase price received by ICP Building Solutions Group in lieu of replacing the material. Except for the expressed warranty stated above, there are no other warranties, expressed or implied, including without limitation, any implied warranty of merchantability or fitness for purpose. ICP Building Solutions Group's obligation shall not extend beyond the obligations expressly undertaken above and ICP Building Solutions Group shall have no liability or responsibility to purchaser or any third party for any loss, cost, expense, damage or liability, whether direct or indirect, or for incidental or consequential damages. No customer, distributor, or representative of ICP Building Solutions Group is authorized to change or modify the published data sheets or this warranty in any way. No one is authorized to make oral warranties on behalf of ICP Building Solutions.