

TECHNICAL DATA

ARMORCLAD RR

PRODUCT #737

PRODUCT DESCRIPTION

A two-component, epoxy polymer with one bag of special graded silica that has been designed as a Resin Rich Single Step 1/4" troweled overlay. This system provides a smooth dense finish (with optional texture) for interior concrete floors requiring enhanced impact, abrasion and chemical resistance properties. It can be installed over dry or moist substrates down to 45°F (5°C). The **737 ArmorClad RR** system is self-priming, can be screeded and troweled. A slight back roll brings resin to the top and seals the system. Aluminum oxide can be broadcast to create a finished texture.

One gallon of **737 ArmorClad RR** when mixed with one 46 lb. bag of A-114 Single Step Trowel Sand will yield 23 sq. ft. or 15 sq. ft. when installed at 1/4" or at 3/8" respectively. It can be installed monolithic with an integral cove base to form a seamless and sanitary installation which complies with USDA regulations.

737 ArmorClad RR should be installed in interior applications and meets with all VOC guidelines.

COLORS AND TEXTURES

- Available in straw and twelve (12) standard colors
- Various slip-resistant textures available
- May be field pigmented using Thermal-Chem's ColorThane universal pigment.

PRODUCT AVAILABILITY

Products are manufactured and available through the Thermal-Chem Corporation, 2120 Roberts Drive, Broadview, IL 60155 U.S.A.

Tel: (800) 635-3773 | (847)288-9090

Email: sales@thermalchem.com

Website: www.thermalchem.com

TYPICAL PHYSICAL PROPERTIES

Hardness	80-85 Shore D per ASTM D2240
Bond Strength	>350 ACI 503 100% con. failure
Impact Resistance	160 in./lbs
Abrasion Resistance	32-33 mg loss ASTM D1044 Tabor Abrasion
Viscosity	500-700 cps at 77 Degrees F 1300-1600 cps at 60 Degrees F
Compressive Strength	11,400 ASTM D695 PSI 7 Day Cure
Aggregate Filled	12,200

USES

Typical uses for the ArmorClad Base Coat System include:

- When a quick-turn-around time is required
- Heavy industry flooring
- Overlay system for wet use applications
- Various food processing facilities
- Commercial kitchens
- Warehouse & cold storage flooring

And, where the following qualities are required:

- Durability and long lasting protection
- Increased ease of maintenance
- Resistance to heavy duty use and exposure
- Lower application temperatures

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ADVANTAGES

- Self-priming
- Does not require a top coat
- Single Step installation
- Faster turn-around time and reduces labor expense
- Non-porous throughout full thickness
- Coefficient of thermal expansion is compatible with concrete
- Can be applied over moist or dry substrates
- Installed in temperatures down to 45°F (45°C)
- Excellent abrasion and chemical resistance
- Meets VOC regulations
- Can be installed monolithically with integral base coat
- USDA approved product
- Installed by approved applicators
- Volume mix ratio of epoxy: 2:1

LIMITATIONS

- Direct sunlight exposure will cause some discoloration
- Do not expose to thermal shock.
- Use 1030 ThermalCrete for thermal shock exceeding 65°F temperature differential between the floor and the water temperature

PRODUCT APPLICATION

The **737 ArmorClad RR** System can be used with the **VaporGard Coating System** in applications where hydrostatic and vapor transmissions could be a potential hazard; and can be used with any of the Thermal-Chem companion and repair products.

Refer to appropriate Thermal-Chem **737 ArmorClad RR** Product Installation Guide

TECHNICAL/SPECIFICATION SERVICES

Additional Product Data, complete Technical Support and Product Specifications are all available through Thermal-Chem Corporation; or their local representatives.

Every reasonable precaution and effort has been taken in the manufacture of all Thermal-Chem products to comply with the published product data. Actual product performance may vary slightly due to environmental influences and/or conditions.

PRODUCT HANDLING

Read the Material Safety Data Sheet thoroughly before use.

Warning: For professional use only. Avoid contact of uncured material with skin and eyes. Contact with skin may result in irritation. Wash skin with soap and water. If contact with eyes should occur, flush with water for 15 minutes and seek immediate medical attention.

LIMITED WARRANTY

Thermal-Chem Corporation warrants its product to be of good quality and will replace any product proved defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement, **THERMAL-CHEM CORP. MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS**, and Thermal-Chem Corporation shall have no other liability with respect thereto, including without limitation, liability for incidental or consequential damages. Any claim regarding product defect must be received in writing within one hundred and eighty (90) days from the date of shipment. No claim will be considered without such written notice or after the specified time interval. The user shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.