



REZKLAD® A-3000

DESCRIPTION

REZKLAD A-3000 is a portland cement, acrylic latex concrete resurfacer.

TYPICAL USES

REZKLAD A-3000 is designed to be applied to new or existing concrete surfaces. It's an excellent concrete repair material which can be used for regrading concrete substrates prior to the application of floor toppings. The rapid cure eliminates the need to wait for conventional portland cement materials to cure. REZKLAD A-3000 Resin may be used with locally supplied Portland Cement, concrete sand and pea gravel when installing a latex-modified leveling or sloping bed. If REZKLAD A-3000 POWDER is used, REZKLAD A-3000 is certifiable for use in USDA inspected facilities.

METHOD OF INSTALLATION

REZKLAD A-3000 is designed for trowel or screed application at a minimum thickness of 1/8" (3.2 mm.).

PACKAGING AND COVERAGE REZKLAD A-3000

56 lb. 4 oz. (25.5 kg.) Unit consisting of:

One - 1-gal. can of Resin (6 lb. 4 oz. [2.8 kg.])
One - bag of Powder (50 lb. [22.7 kg.])
Volume: Approx. 0.45 ft³ (12.7 liters)
Coverage: Approx. 20 sq. ft. (1.9 m²) per unit @ 1/4" (6.4 mm.) thickness

392 lb. 8 oz. (178.0 kg.) Unit Consisting of:

One - 5-gal. pail of Resin (42 lb. 8 oz. [19.3 kg.])
Seven - bags of Powder (50 lb. [22.7 kg.]) ea.
Volume: Approx. 3.1 ft³ (87.8 liters)
Coverage: Approx. 150 sq. ft. (13.9 m²) per unit @ 1/4" (6.4 mm.) thickness

Typical mix ratios for REZKLAD A-3000 Resin and locally supplied materials:

1/4" (6.4 mm.) to 1" (25.4 mm.) Thickness

One - 5-gal. pail of Resin (42 lb. 8 oz. [19.3 kg.])
One - bag of Portland Cement (94 lb. [42.6 kg.])
Approx. 300 lb. (136.1 kg.) concrete sand
Approx. volume: 3.5 ft³ (99.1 liters)

PHYSICAL PROPERTIES

| PROPERTY | TEST METHOD | TYPICAL VALUE* |
|---|-------------|----------------------------------|
| Density | ASTM C905 | 125 lb./cu. ft. (2.02 g./cc.) |
| Tensile Strength, 7 days @ 77°F (25°C) | ASTM C307 | 660 psi. (4.55 MPa) |
| Compressive Strength, 7 days @ 77°F (25°C) | ASTM C579 | 3,900 psi. (26.9 MPa) |
| Flexural Strength, 7 days @ 77°F (25°C) | ASTM C580 | 1,300 psi. (8.96 MPa) |
| Working Life @ 77°F (25°C) | | 40-60 min. |

*Typical Values are for REZKLAD A-3000 Resin and Powder as supplied by Atlas.

Over 1" (25.4 mm.) Thickness

One - 5-gal. pail of Resin (42 lb. 8 oz. [19.3 kg.])
One bag of Portland Cement (94 lb. [42.6 kg.])
Approx. 146 lb. (66.2 kg.) concrete sand
Approx. 228 lb. (103.4 kg.) pea gravel
Approx. volume: 3.5 ft³ (99.1 liters)

UREKLAD® PRIMER

When installing solvent-based products, such as toppings or coatings containing styrene, a masking coat of UREKLAD PRIMER must be applied to the REZKLAD A-3000 surface prior to the application of the topping or coating.

One Quart Unit (2 lb. 10 oz. [1.2 kg.]) Consisting of:

One - 1-qt. can of Component A (1 lb. 15 oz. [879 g.])
One - 1-pt. can of Component B (11 oz. [312 g.])
Coverage: Approx. 96 sq.ft. (8.9 m²) per unit

SURFACE PREPARATION

REZKLAD A-3000 can be applied to concrete surfaces. The substrate must be structurally sound, clean and dry.

TEMPERATURE DURING APPLICATION

Store REZKLAD A-3000 at 70°F (21°C) to 80°F (27°C) for 24 hours prior to use. The best working characteristics of the materials will be attained when the temperature of the substrate, air, REZKLAD A-3000 and UREKLAD PRIMER are between 65°F (18°C) and 85°F (29°C). Minimum temperature for installation is 45°F (7°C). Do not install at temperatures above 95°F (35°C).

TYPICAL WORKING & DRYING TIMES OF THE REZKLAD A-3000

| Temperature | Working Time | Support Foot Traffic | Drying Time Before Application of Epoxy Overlay | |
|-------------|--------------|----------------------|---|----------|
| | | 1/4" – 1" Thick | 1/4" – 3/8" Thick | 1" Thick |
| 65°F (18°C) | 55 min. | 24 hours | 48 hours | 72 hours |
| 75°F (24°C) | 45 min. | 16 hours | 24 hours | 48 hours |
| 85°F (29°C) | 35 min. | 12 hours | 18 hours | 36 hours |

MIXING & APPLICATION OF THE REZKLAD A-3000

Mixing of the components should be done in a mortar pan or in a concrete or mortar mixer.

- Wet concrete with water. Remove standing water.
- Apply a primer coat of REZKLAD A-3000 Resin with a stiff bristled brush and scrub the resin into the concrete.
- Place REZKLAD A-3000 Resin in the mixer and slowly add the prepackaged REZKLAD A-3000 Powder or locally supplied Portland Cement, concrete sand and pea gravel.
- Mix until uniform. Adjust the consistency by adding more or less REZKLAD A-3000 Resin.
- Apply REZKLAD A-3000 with a screed or mason's trowel.

MIXING OF THE UREKLAD PRIMER

UREKLAD PRIMER is used only when installing solvent-based products, such as toppings or coatings containing styrene, on top of REZKLAD A-3000.

- Stir the contents of the individual Component A and Component B containers prior to blending.
- Combine the contents of the 11 oz. (312 g.) can of UREKLAD PRIMER Component B and the 1 lb. 15 oz. can (879 g.) can of UREKLAD PRIMER Component A.
- Mix the combined components for approximately two minutes. Scrape along the sides and bottom of the can to ensure complete mixing of the two components.

TYPICAL WORKING & DRYING TIMES OF UREKLAD PRIMER

| Temperature | Working Time | Drying Time | Maximum Drying Time |
|-------------|--------------|-------------|---------------------|
| 65°F (18°C) | 4-1/2 hours | 3 hours | 24 hours |
| 75°F (24°C) | 4 hours | 2 hours | 24 hours |
| 85°F (29°C) | 2-1/2 hours | 1 hour | 16 hours |

APPLICATION OF THE UREKLAD PRIMER

Prior to the application of the UREKLAD PRIMER, the REZKLAD A-3000 surface must be sanded or lightly grit blasted and cleaned. A finish similar to the profile of 100 to 120 grit sandpaper is suggested.

- Apply the UREKLAD PRIMER with a brush or short nap roller making sure to work it into the pores of the substrate. Do not allow puddling.

- Allow the UREKLAD PRIMER to dry. Apply an additional coat to areas where the UREKLAD PRIMER has been completely absorbed leaving a dull finish. If the UREKLAD PRIMER is allowed to dry for longer than the maximum drying time, the surface must be sanded, cleaned and recoated with UREKLAD PRIMER. Allow to dry before proceeding.
- Apply the solvent-based products, such as toppings or coatings containing styrene according to the appropriate product Data Sheet beginning with application of the system primer.

CLEANING OF TOOLS AND EQUIPMENT

Steel wool, soap and warm water will remove the materials referred to in this Data Sheet from mixing tools and equipment if cleaning is done immediately after use. Solvents, such as methyl ethyl ketone, toluene or xylene, will have to be used after the material has begun to harden. Fully hardened material will have to be removed by mechanical means.

Dispose of residues and wastes in accordance with the directions in the Material Safety Data Sheets and government regulations.

STORAGE AND SHELF LIFE

Store all materials in a cool, dry environment. Keep all materials out of direct sunlight. Ideal storage temperature is 75°F (24°C). Protect from freezing. In unopened original containers, the materials referred to in this Data Sheet have a shelf life of approximately one year.

PRODUCT SPECIFICATION

The system shall be REZKLAD A-3000 as manufactured by Atlas Minerals & Chemicals, Inc. and shall be certifiable for use in USDA inspected facilities.

PRECAUTIONS

The materials referred to in this Data Sheet are for Industrial Use Only. They contain materials that present handling and potential health hazards. Consult Material Safety Data Sheets and the container labels for complete precautionary information.

TECHNICAL SERVICES

ATLAS maintains a staff of Technical Service Representatives who are available to assist you with

the use of ATLAS products. In the event of difficulties with the application of ATLAS materials, the installation should be stopped immediately and ATLAS' Technical Service Department consulted for assistance.

WARRANTY

ATLAS warrants that its products will be free from defects in workmanship and materials under normal use for a period of one (1) year from the date of shipment by ATLAS (provided the products are installed before the expiration of the shelf life). THERE ARE NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR THE PURPOSE FOR THIS PRODUCT WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ATLAS' LIABILITY FOR ALLEGED BREACH OF THIS WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT (BUT NOT INCLUDING REMOVAL OF THE DEFECTIVE PRODUCT OR INSTALLATION OF REPLACEMENT PRODUCTS). ATLAS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES DURING THE WARRANTY PERIOD OR THEREAFTER. **ATLAS' WARRANTY IS VOIDED IF PAYMENT FOR PRODUCT IS NOT RECEIVED IN FULL.**