



Atlas Minerals & Chemicals, Inc.



DATA SHEET

7-24PI (6-05)

Supersedes 7-24PI (2-03³)

REZKLAD® E-CONCRETE PRIMER MT

DESCRIPTION

REZKLAD E-CONCRETE PRIMER MT is a moisture tolerant primer for use on existing, new or damp concrete substrates.

TYPICAL USES

REZKLAD E-CONCRETE PRIMER MT is for use with epoxy setting beds, coatings, linings and floor topping systems.

METHOD OF INSTALLATION

REZKLAD E-CONCRETE PRIMER MT is brush or roller applied.

PACKAGING AND COVERAGE

REZKLAD E-CONCRETE PRIMER MT

1/2-Gal. Unit (3 lb. 12 oz. [1.7 kg.]) Consisting of:

One - 1/2-gal. can of Rezklad E-Concrete Primer Resin
(2 lb. 8 oz. [1.1 kg.])

One - 1-qt. can of Rezklad E-Concrete Primer MT Hard.
(1 lb. 4 oz. [567 g.])

Coverage: Approx. 100 sq. ft. (9.3 m²) per unit

Coverage as Conductive Primer: Approx. 60 sq. ft.
(5.6 m²) per unit

1-1/2-Gal. Unit (13 lb. 8 oz. [6.1 kg.]) Consisting of:

One - 1-gal. can of Rezklad E-Concrete Primer Resin
(9 lb. [4.1 kg.])

One - 1-gal. can of Rezklad E-Concrete Primer MT Hard.
(4 lb. 8 oz. [2.0 kg.])

Coverage: Approx. 350 sq. ft. (32.5 m²) per unit

Coverage as Conductive Primer: Approx. 210 sq. ft.
(19.5 m²) per unit

16-Gal. Unit (142 lb. 8 oz. [64.6 kg.]) Consisting of:

Two - 5-gal. pails of Rezklad E-Concrete Primer Resin
(47 lb. 8 oz. [21.5 kg.]) ea.

Two - 5-gal. pails of Rezklad E-Concrete Primer MT Hard.
(23 lb. 12 oz. [10.8 kg.]) ea.

Coverage: Approx. 3,800 sq. ft. (353.0 m²) per unit

Coverage as Conductive Primer: Approx. 2,280 sq. ft.
(211.8 m²) per unit

ATLAS® CARBON POWDER (for Conductive Primer)

5-gal. pail (38 lb. [17.2 kg.])

Coverage: Approx. 3,550 sq. ft. (330 m²) per pail

SURFACE PREPARATION

Existing, New and Damp Concrete: Mechanical grit blasting or acid washing is required for preparing the concrete surface. A finish similar to the profile of 100 to 120 grit sandpaper is suggested.

The prepared substrate must be free of ridges, protrusions, fins and mortar splatter. The substrate must be structurally sound, clean and free of all contaminants, such as sealers, curing compounds, coatings, oil, dirt and dust. Previously applied coatings or paint must be removed.

New Concrete: The concrete substrate must have a minimum of 5 days (120 hours) cure prior to application of the primer.

Damp Concrete: The surface may be damp, but must be free of all standing water. Remove puddled or standing water by vacuuming, sweeping, squeegee, sponge or blowing off with compressed air. The concrete substrate must have a minimum of 5 days (120 hours) cure prior to the application of the primer.

TEMPERATURE AND CONDITIONS DURING APPLICATION

Store REZKLAD E-CONCRETE PRIMER MT at 70°F (21°C) to 80°F (27°C) for 24 hours prior to use. The best working characteristics of the material will be attained when the temperature of the substrate, air and REZKLAD E-CONCRETE PRIMER MT are between 60°F (16°C) and 85°F (29°C). Minimum temperature for installation is 55°F (13°C). At temperatures below 55°F (13°C), the product may not set or cure properly.

APPLICATION OF THE REZKLAD E-CONCRETE PRIMER MT

Apply REZKLAD E-CONCRETE PRIMER MT with a brush or paint roller making sure to work it into the pores of the concrete. Do not allow puddling. Reprime areas in which the primer has absorbed into the substrate as evident by a dull finish.

When using CONDUCTIVE PRIMER, stir the mixed components frequently during the application to avoid settlement of the carbon powder.

Allow the REZKLAD E-CONCRETE PRIMER MT to dry before continuing. If the subsequent system recommends application to wet or tacky primer, apply a second coat of REZKLAD E-CONCRETE PRIMER MT and proceed with the system installation instructions.

If the primer is allowed to dry for longer than the maximum drying time, the surface must be sanded and the area reprimed before proceeding.

MIX RATIO CHART - REZKLAD E-CONCRETE PRIMER MT

	Weight		Volume	
	Parts by Weight	Weight	Parts by Volume	Volume
REZKLAD E-Concrete Primer Resin	100	9 lb. (4.1 kg.)	100	125 fl. oz. (3.70 ltr.)
REZKLAD E-Concrete Primer MT Hardener	50	4 lb. 8 oz. (2.0 kg.)	56	69 fl. oz. (2.04 ltr.)
Batch Size		13 lb. 8 oz. (6.1 kg.)		194 fl. oz. (5.74 ltr.)

Proportionally increase or decrease component quantities to attain larger or smaller batch sizes.

MIXING OF THE REZKLAD E-CONCRETE PRIMER MT

Stir the contents of the individual resin and hardener containers prior to blending. Mixing of the components should be done with a hand drill equipped with a “Jiffy” type mixer at a mixing speed between 300 and 500 RPM. During mixing, move the mixing blade in circular and up and down motions scraping all sides and the bottom of the mixing container. Refer to the Mix Ratio Chart to proportionally decrease component quantities to attain smaller batch sizes.

1/2-Gallon (3 lb. 12 oz. [1.7 kg.]) Unit:

- Place the contents of the 1/2-gallon can (2 lb. 8 oz. [1.1 kg.]) of REZKLAD E-CONCRETE PRIMER Resin in a clean, dry plastic or metal mixing container. Scrape the sides of the resin can to remove all the resin.
- Add the contents of the 1-quart can (1 lb. 4 oz. [567 g.]) of REZKLAD E-CONCRETE PRIMER MT Hardener. Scrape the sides of the hardener can to remove all the hardener.
- Mix the resin and hardener thoroughly for approximately two minutes.

1-1/2-Gallon (13 lb. 8 oz. [6.1 kg.]) Unit /**16-Gallon (142 lb. 8 oz. [64.6 kg.]) Unit:**

The following mixing instructions are for a batch size of 1.5 gallons (5.7 liters) or 13 lb. 8 oz. (6.1 kg.). Estimated coverage of the batch size is 350 ft² (32.5 m²). Proportionally increase or decrease component quantities to attain larger or smaller batch sizes.

- Place the contents of the 1-gallon can (9 lb. [4.1 kg.]) or 125 fluid ounces (3.70 liters) of REZKLAD E-CONCRETE PRIMER Resin in a clean, dry plastic or metal mixing container.
- Add the contents of the 1-gallon can (4 lb. 8 oz. [2.0 kg.]) or 69 fluid ounces (2.04 liters) of the REZKLAD E-CONCRETE PRIMER MT Hardener.
- Mix the resin and hardener thoroughly for approximately two minutes.

MIXING OF THE**REZKLAD E-CONCRETE CONDUCTIVE PRIMER MT**

Spark testing of systems applied to concrete substrates require ATLAS Carbon Powder added to the REZKLAD E-CONCRETE PRIMER MT.

Stir the contents of the individual resin and hardener containers prior to blending. Mixing of the components should be done with a hand drill equipped with a “Jiffy”

type mixer at a mixing speed between 300 and 500 RPM. During mixing, move the mixing blade in circular and up and down motions scraping all sides and the bottom of the mixing container.

When using CONDUCTIVE PRIMER, stir the mixed components frequently during the application to avoid settlement of the carbon powder.

1/2-Gallon Unit of**Rezklad E-Concrete Conductive Primer MT:**

- Place the contents of the 1/2-gallon can (2 lb. 8 oz. [1 kg.]) of REZKLAD E-CONCRETE PRIMER MT Resin in a clean, dry plastic or metal mixing container. Scrape the sides of the resin can to remove all the resin.
- Add the contents of the 1-qt. can (1 lb. 4 oz. [567 g.]) of REZKLAD E-CONCRETE PRIMER MT Hardener. Scrape the sides of the hardener can to remove all the hardener.
- Mix the resin and hardener thoroughly for approximately two minutes.
- Add 10 oz. (284 g.) or approximately 12 fluid ounces (0.36 liters) of ATLAS Carbon Powder. Mix thoroughly for approximately two minutes.

1-1/2-Gallon Unit of**Rezklad E-Concrete Conductive Primer MT:**

- Place the contents of the 1-gallon can (9 lb. [4.1 kg.]) of REZKLAD E-CONCRETE PRIMER MT Resin in a clean, dry plastic or metal mixing container. Scrape the sides of the resin can to remove all the resin.
- Add the contents of the 1/2-gallon can (4 lb. 8 oz. [2.0 kg.]) of REZKLAD E-CONCRETE PRIMER MT Hardener can. Scrape the sides of the hardener can to remove all the hardener.
- Mix the resin and hardener thoroughly for approximately two minutes.
- Add 2 lb. 4 oz. (1.0 kg.) or approximately 42 fluid ounces (1.2 liters) of ATLAS Carbon Powder. Mix thoroughly for approximately two minutes.

16-Gallon Unit of**Rezklad E-Concrete Conductive Primer MT:**

The following mixing instructions are for a batch size of 1.5 gallons (5.7 liters) or 13 lb. 8 oz. (6.1 kg.). Estimated coverage of the batch size is 210 ft² (19.5 m²). Proportionally increase or decrease component quantities to attain larger or smaller batch sizes.

- a. Combine 125 fluid ounces (3.70 liters) of REZKLAD E-CONCRETE PRIMER MT Resin and 69 fluid ounces (2.04 liters) of REZKLAD E-CONCRETE PRIMER MT Hardener in the 5-gallon capacity mechanical mixer.
- b. Mix thoroughly for one minute.
- c. Add 2 lb. 4 oz. (1.0 kg.) or approximately 42 fluid ounces (1.2 liters) of ATLAS Carbon Powder. Mix thoroughly for approximately two minutes.

**MIX RATIO OF THE
REZKLAD E-CONCRETE CONDUCTIVE PRIMER MT**

	by Weight	by Volume
Primer Resin	100	100
Primer Hardener	50	56
ATLAS Carbon Powder	25	34

**TYPICAL WORKING AND DRYING TIMES OF THE
REZKLAD E-CONCRETE PRIMER MT**

Temperature	Working Time	Tack Free	Maximum Drying Time
55°F (13°C)	65 min.	24 hrs.	4 days
60°F (16°C)	55 min.	18 hrs.	4 days
75°F (24°C)	45 min.	14 hrs.	3 days
85°F (29°C)	25 min.	10 hrs.	24 hrs.

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 if the material has begun to harden. Fully hardened material will have to be removed by mechanical means.

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 E-CONCRETE PRIMER MT as manufactured by Atlas Minerals & Chemicals, Inc.

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.**

Note: Atlas makes it a practice to continuously update and enhance our CCM (Corrosion Resistant Construction Materials) products. This may result in slight discrepancies between our printed Data Sheets and the current version. For the most recent version of any Data Sheet, please visit our Web site at www.atlasmin.com