



Atlas Minerals & Chemicals, Inc.



DATA SHEET

3-101PI (1-04²)
Supersedes 3-101PI (6-03 & 6-00)

REZKLAD[®] E-AP / REZKLAD[®] E-AP LT

DESCRIPTION

REZKLAD E-AP is a trowel applied epoxy resin topping installed at thicknesses of 3/16" (4.8 mm.) to 1/4" (6.4 mm.). REZKLAD E-AP can be applied by conventional hand and power trowel methods. REZKLAD E-AP LT is a special formulation for installations where substrate and ambient temperatures are between 34°F (1°C) and 60°F (16°C).

TYPICAL USES

REZKLAD E-AP is an all-purpose economical epoxy topping that provides wear and chemical resistance to concrete surfaces. The physical strength, abrasion- and slip-resistance of REZKLAD E-AP qualifies it as an excellent flooring system for chemical and food process areas, animal holding areas, warehouses, mechanical equipment rooms and traffic areas. REZKLAD E-AP, REZKLAD E-AP LT and REZKLAD E-AP Vertical Grade are certifiable for use in USDA inspected facilities.

CHEMICAL RESISTANCE

REZKLAD E-AP is resistant to splash and spills of many non-oxidizing acids, alkalies, salts, oils, greases and food chemicals. Refer to the chemical resistance chart for specific information.

METHOD OF INSTALLATION

REZKLAD E-AP system consists of a brush or roller applied REZKLAD E-CONCRETE PRIMER, a hand or power trowel applied REZKLAD E-AP and a roller or squeegee applied topcoat as recommended by ATLAS.

For packaging, mixing and application of a topcoat or slip resistant surface, refer to:

- REZKLAD E-HI BUILD 90, Data Sheet 7-601PI
- REZKLAD E-HI BUILD 110, Data Sheet 7-604PI

AVAILABLE COLORS

Standard colors are gray, red and tan.

PACKAGING AND COVERAGE

REZKLAD E-CONCRETE PRIMER

1/2-Gallon Unit (3 lb. 7 oz. [1.6 kg.]) Consisting of:

- One - 1/2-gal. can of Resin (2 lb. 8 oz. [1.1 kg.])
 - One - 1-pt. can of Hardener (15 oz. [425 g.])
- Coverage: Approx. 100 sq. ft. (9.3 m²) per unit

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
Density	ASTM C905	125 lb./cu. ft. (2.00 g./cc.)
Bond Strength, 7 days @ 77°F (25°C)		Concrete fails
Tensile Strength, 7 days @ 77°F (25°C)	ASTM C307	2,100 psi. (14.5 MPa)
Compressive Strength, 7 days @ 77°F (25°C)	ASTM C579	10,300 psi. (71.0 MPa)
Flexural Strength, 7 days @ 77°F (25°C)	ASTM C580	3,900 psi. (26.9 MPa)
Flexural Modulus of Elasticity	ASTM C580	1.04 x 10 ⁶ psi. (7,200 MPa)
Coefficient of Thermal Exp., in./in./°F (cm./cm./°C)	ASTM C531	2.30 x 10 ⁻⁵ (4.14 x 10 ⁻⁵)
Water Absorption	ASTM C413	0.3% (Sealed)
Temperature Resistance Continual Intermittent		140°F (60°C) 212°F (100°C)
Linear Shrinkage	ASTM C531	0.1%
Hardness, Shore D-2		85-90
Abrasion Resistance, Taber CS-17 wh., 1 kg., 1,000 cyc.	ASTM C501	100 mg. weight loss
Flammability Extent of Burn	ASTM D635	Self-extinguishing 11 mm.
Impact Resistance, 1/4" (6.4 mm.) thick, unbonded	Gardner Tester	25 in. lb.
Heat Deflection Temperature	ASTM D648	118°F (48°C)

1-1/2-Gal. Unit (12 lb. 2 oz. [5.5 kg.]) Consisting of:

- One - 1-gal. can of Resin (9 lb. [4.1 kg.])
 - One - 1/2-gal. can of Hardener (3 lb. 2 oz. [1.4 kg.])
- Coverage: Approx. 350 sq. ft. (32.5 m²) per unit

REZKLAD E-CONCRETE PRIMER LT

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

- One - 1/2-gal. can of Resin (2 lb. 8 oz. [1.1 kg.])
 - One - 1-qt. can of LT Hardener (1 lb. 4 oz. [567 g.])
- Coverage: Approx. 110 sq. ft. (10.2 m²) per unit
Coverage as Conductive Primer: Approx. 65 sq. ft. (6.0 m²) per unit

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

- One - 1-gal. can of Resin (9 lb. [4.1 kg.])
 - One - 1-gal. can of LT Hardener (4 lb. 8 oz. [2.0 kg.])
- Coverage: Approx. 400 sq. ft. (37.2 m²) per unit
Coverage as Conductive Primer: Approx. 240 sq. ft. (22.3 m²) per unit

NOTE: ATLAS makes it a practice to continuously update and enhance our CCM (Corrosion Resistant Construction Materials) products. For the most recent version of any Data Sheet, please visit our Web site at www.atlasmin.com.

REZKLAD E-AP (Hand Trowel)**43 lb. 14 oz. (19.9 kg.) Unit Consisting of:**

One - 1-gal. can of Resin (4 lb. 13 oz. [2.2 kg.]

One - 1-pt. can of Hardener (9 oz. [255 g.]

One - bag of Powder (38 lb. 8 oz. [17.5 kg.]

Coverage: Approx. 23 sq. ft. (2.2 m²) per unit @ 3/16" (4.8 mm.) thickness

Coverage: Approx. 17 sq. ft. (1.6 m²) per unit @ 1/4" (6.4 mm.) thickness

395 lb. 6 oz. (179.3 kg.) Unit Consisting of:

One - 5-gal. pail of Resin (44 lb. [20.0 kg.]

One - 1/2-gal. can of Hardener (4 lb. 14 oz. [2.2 kg.]

Nine - bags of Powder (38 lb. 8 oz. [17.5 kg.] ea.)

Coverage: Approx. 200 sq. ft. (18.6 m²) per unit @ 3/16" (4.8 mm.) thickness

Coverage: Approx. 150 sq. ft. (13.9 m²) per unit @ 1/4" (6.4 mm.) thickness

REZKLAD E-AP Vertical Grade**27 lb. 2 oz. (12.3 kg.) Unit Consisting of:**

One - 1-gal. can of Resin (4 lb. 13 oz. [2.2 kg.]

One - 1-pt. can of Hardener (9 oz. [255 g.]

One - bag of Vertical Grade Powder (21 lb. 12 oz. [9.9 kg.]

Coverage: Approx. 20 sq. ft. (1.9 m²) per unit @ 1/8" (3.2 mm.) thickness

REZKLAD E-AP (Power Trowel)**433 lb. 14 oz. (196.8 kg.) Unit Consisting of:**

One - 5-gal. pail of Resin (44 lb. [20.0 kg.]

One - 1/2-gal. can of Hardener (4 lb. 14 oz. [2.2 kg.]

Ten - bags of Powder (38 lb. 8 oz. [17.5 kg.] ea.)

Coverage: Approx. 230 sq. ft. (21.4 m²) per unit @ 3/16" (4.8 mm.) thickness

Coverage: Approx. 174 sq. ft. (16.2 m²) per unit @ 1/4" (6.4 mm.) thickness

REZKLAD E-AP LT**129 lb. 15 oz. (58.9 kg.) Unit Consisting of:**

Two - 1-gal. cans of Resin (4 lb. 13 oz. [2.2 kg.] ea.)

One - 1/2-gal. can of LT Hardener (4 lb. 13 oz. [2.2 kg.]

Three - bags of Powder (38 lb. 8 oz. [17.5 kg.]

Coverage: Approx. 50 sq. ft. (4.7 m²) per unit @ 1/4" (6.4 mm.) thickness

Topcoat

For the packaging, mixing and application of a topcoat or slip resistant surface over REZKLAD E-AP, refer to the appropriate Data Sheet:

- REZKLAD E-HI BUILD 90, Data Sheet 7-601PI
- REZKLAD E-HI BUILD 110, Data Sheet 7-604PI

ATLAS® AGGREGATE No. 8

One - bag (100 lb. [45.4 kg.]

Coverage: Approx. 2,000 sq. ft. (186 m²) per bag when used in primer

SURFACE PREPARATION

REZKLAD E-AP Systems are designed to be applied to concrete substrates. The substrate must be structurally sound, clean, dry and free of all contaminants such as sealers, curing compounds, coatings, oil, dirt, dust and water. Previously applied coatings or paint must be removed.

Concrete: Finished concrete must be free of ridges, protrusions, fins, mortar splatter and have a tight, laitance-free steel trowel finish. Abrasive grit blasting is recommended. Where impractical, chemical preparation by acid washing is acceptable. A finish similar to the profile of 100 to 120 grit sandpaper is suggested.

For additional information, refer to Surface Preparation, Data Sheet PS-30.

TEMPERATURE AND CONDITIONS DURING APPLICATION

Store all components 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 and REZKLAD E-AP System components are between 60°F (16°C) and 85°F (29°C). Minimum temperature for installation is 60°F (16°C). At temperatures below 60°F (16°C), use REZKLAD E-CONCRETE PRIMER LT and REZKLAD E-AP LT.

Do not apply REZKLAD E-AP Systems to substrates that flex. Do not apply primer, topping or topcoat(s) when the relative humidity is greater than 75% or the substrate temperature is less than 5°F (3°C) above the dew point. Protect uncured primer, topping and topcoat(s) from moisture contamination until they can support foot traffic.

TYPICAL WORKING TIMES OF THE REZKLAD E-CONCRETE PRIMER

Temperature	Working Time
65°F (18°C)	35 min.
75°F (24°C)	25 min.
85°F (29°C)	15 min.

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

Temperature	Working Time	Tack Free	Maximum Drying Time
34°F (1°C)	35 min.	24 hrs.	48 hrs.
40°F (4°C)	25 min.	16 hrs.	48 hrs.
50°F (10°C)	20 min.	12 hrs.	24 hrs.
60°F (16°C)	15 min.	10 hrs.	24 hrs.
70°F (21°C)	10 min.	6 hrs.	24 hrs.

MIX RATIO CHART - REZKLAD E-AP

REZKLAD E-AP	Hand Trowel		Power Trowel	
	Weight	Volume	Weight	Volume
REZKLAD E-AP Resin	4 lb. 13 oz. (2.2 kg.)	66 fl. oz. (1.95 liters)	4 lb. 4 oz. (1.9 kg.)	59 fl. oz. (1.74 liters)
REZKLAD E-AP Hardener	9 oz. (255 g.)	8 fl. oz. (0.25 liters)	8 oz. (227 g.)	7 fl. oz. (0.21 liters)
REZKLAD E-POWDER	38 lb. 8 oz. (17.5 kg.)	38 lb. 8 oz. (17.5 kg.)	38 lb. 8 oz. (17.5 kg.)	38 lb. 8 oz. (17.5 kg.)
Batch Size	43 lb. 14 oz. (19.9 kg.)	0.35 cu. ft. (9.9 liters)	43 lb. 4 oz. (19.6 kg.)	0.35 cu. ft. (9.9 liters)

MIXING AND APPLICATION OF THE REZKLAD E-CONCRETE PRIMER / REZKLAD E-CONCRETE PRIMER LT

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.

- Combine the contents of the cans of REZKLAD E-CONCRETE PRIMER Resin and Hardener in a clean, dry plastic or metal container. Mix thoroughly for one minute.
- Apply REZKLAD E-CONCRETE PRIMER with a brush or roller making sure to work it into the pores of the concrete. Do not allow puddling. Broadcast ATLAS AGGREGATE No. 8 into the wet primer at a rate of 1 lb. (454 g.) per 20 sq. ft. (1.9 m²).
- For optimum adhesion, apply REZKLAD E-AP when the primer is wet or tacky. If the primer is allowed to dry for longer than 24 hours, the surface must be sanded and the area reprimed before proceeding.

MIXING OF THE REZKLAD E-AP (Hand Trowel)

Stir the contents of the individual resin and hardener containers prior to blending. Mixing of the components should be with a KOL type mixer with a 5-gallon capacity. The mixing speed should be between 60 and 75 RPM.

Note: The amount of powder may be varied slightly to obtain the desired consistency and trowelability. Decreasing the powder component will decrease the estimated coverage.

REZKLAD E-AP (Hand Trowel)**43 lb. 14 oz. (19.9 kg.) Unit:**

- Combine the contents of the 4 lb. 13 oz. (2.2 kg.) can of REZKLAD E-AP Resin with the 9 oz. (255 g.) can of REZKLAD E-AP Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.
- Slowly add the 38 lb. 8 oz. (17.5 kg.) bag of REZKLAD E-POWDER.
- Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

395 lb. 6 oz. (179.3 kg.) Unit:

- Combine 66 fluid ounces (1.95 liters) of REZKLAD E-AP Resin and 8 fluid ounces (0.25 liters) of REZKLAD E-AP Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.

- Slowly add the 38 lb. 8 oz. (17.5 kg.) bag of REZKLAD E-POWDER.
- Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

REZKLAD E-AP Vertical Grade**27 lb. 2 oz. (12.3 kg.) Unit:**

- Combine the contents of the 4 lb. 13 oz. (2.2 kg.) can of REZKLAD E-AP Resin with the 9 oz. (255 g.) can of REZKLAD E-AP Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.
- Slowly add the 21 lb. 12 oz. (9.9 kg.) bag of REZKLAD E-AP Vertical Grade Powder.
- Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

APPLICATION OF THE REZKLAD E-AP (Hand Trowel)

- Place freshly mixed REZKLAD E-AP on the properly prepared and primed substrate.
- Screed to uniform thickness with a trowel, rake, screed bar or screed box.
- Compact and smooth the surface with a concrete finishing trowel. To remove trowel marks, roll lightly with a paint roller dampened with ethanol.
- Allow to cure sufficiently to support foot traffic.
- Apply a topcoat of REZKLAD E-HI BUILD 90 or alternate system as recommended by ATLAS. For installation of a topcoat or slip resistant surface, refer to REZKLAD E-HI BUILD 90 Data Sheet, 7-601PI or alternate topcoat product system data sheet.

MIXING OF THE REZKLAD E-AP (Power Trowel)

Stir the contents of the individual resin and hardener containers prior to blending. Mixing of the components should be with a KOL type mixer with a 5-gallon capacity. The mixing speed should be between 60 and 75 RPM.

REZKLAD E-AP (Power Trowel)**433 lb. 14 oz. (196.8 kg.) Unit:**

- Combine 59 fluid ounces (1.74 liters) of REZKLAD E-AP Resin and 7 fluid ounces (0.21 liters) of REZKLAD E-AP Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.
- Slowly add the 38 lb. 8 oz. (17.5 kg.) bag of REZKLAD E-POWDER.

- c. Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

Note: The amount of powder may be varied slightly to obtain the desired consistency and trowelability. Decreasing the powder component will decrease the estimated coverage.

APPLICATION OF THE REZKLAD E-AP (Power Trowel)

- Place freshly mixed REZKLAD E-AP on the properly prepared and primed substrate.
- Screed to uniform thickness with a trowel, rake, screed bar or screed box.
- Start the power trowel off the fresh material. Adjust the blades to a slight pitch to “walk” the power trowel onto the material. Readjust the blade pitch to a nearly flat pitch.
- Trowel sufficiently to close the surface. Excessive troweling may cause blistering or variations in surface color.
- To avoid material build up on the blades that could affect closing of the surface, clean the blades with soap and water at least every 30 minutes.
- Allow REZKLAD E-AP to cure for a minimum of 24 hours and not more than 48 hours at 77°F (25°C). Grind the entire surface to achieve a uniform finish. EdCo Surfacer Model 2EC is acceptable for this operation. Remove all dust and debris from the surface before applying the topcoat, as recommended by Atlas.

TYPICAL SETTING TIMES OF THE REZKLAD E-AP

Temperature	Working Time	Support Foot Traffic
65°F (18°C)	45 minutes	24 hours
75°F (24°C)	35 minutes	16 hours
85°F (29°C)	25 minutes	10 hours

MIXING OF THE REZKLAD E-AP LT (Hand Trowel)

Stir the contents of the individual resin and hardener containers prior to blending. Mixing of the components should be with a KOL type mixer with a 5-gallon capacity. The mixing speed should be between 60 and 75 RPM.

REZKLAD E-AP LT (Hand Trowel)

395 lb. 6 oz. (179.3 kg.) Unit:

- Combine 43 fluid ounces (1.28 liters) of REZKLAD E-AP Resin and 24 fluid ounces (0.7 liters) of REZKLAD E-AP LT Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.
- Slowly add the 38 lb. 8 oz. (17.5 kg.) bag of REZKLAD E-POWDER.
- Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

MIX RATIO OF THE REZKLAD E-AP LT

	by Weight	by Volume
Rezklad E-AP Resin	100	100
Rezklad E-AP LT Hardener	50	55
Rezklad E-Powder	1,200	817

APPLICATION OF THE REZKLAD E-AP LT

- Place freshly mixed REZKLAD E-AP LT on the properly prepared and primed substrate.
- Screed to uniform thickness with a trowel, rake, screed bar or screed box.
- Compact and smooth the surface with a concrete finishing trowel. To remove trowel marks, roll lightly with a paint roller dampened with ethanol.
- Allow to cure sufficiently to support foot traffic.
- Apply a topcoat of REZKLAD E-HI BUILD 90 LT or alternate system as recommended by ATLAS. For installation of a topcoat or slip resistant surface, refer to REZKLAD E-HI BUILD 90 Data Sheet, 7-601PI or alternate topcoat product system data sheet.

TYPICAL SETTING TIMES OF THE REZKLAD E-AP LT

Temperature	Working Time	Support Foot Traffic
34°F (1°C)	45 minutes	24 hours
40°F (4°C)	35 minutes	24 hours
50°F (10°C)	25 minutes	16 hours
60°F (16°C)	20 minutes	12 hours

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 75oF (24oC). 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-AP, REZKLAD E-AP LT or REZKLAD E-AP Vertical Grade as manufactured by ATLAS Minerals & Chemicals, Inc. The flooring system shall be certifiable for use in USDA inspected facilities.

The system shall consist of:

- REZKLAD E-CONCRETE PRIMER, brush or roller applied
- REZKLAD E-AP, 3/16” to 1/4” hand or power trowel applied
- Topcoat, roller or squeegee applied

PRECAUTIONS

Contact with certain concentrated acids may cause the surface of REZKLAD E-AP to change color. This color change will not affect the chemical resistance.

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.**

CHEMICAL RESISTANCE OF REZKLAD® E-AP / REZKLAD® E-AP LT (3-101PI)

Acetic Acid, to 5%	E
Acetic Acid, 5% to 10%	F
Acetic Acid, 10% to 50%	C
Acetone	C
Alum or Aluminum Sulfate	E
Ammonium Chloride, Nitrate, Sulfate	E
Ammonium Hydroxide, to 10%	E
Ammonium Hydroxide, 10% to 30%	G
Aniline	N
Animal Oils	C
Bakery Products	G
Barium Chloride, Sulfate	E
Beer	E
Benzene	C
Benzene Sulfonic Acid, 10%	E
Benzoic Acid	E
Black Liquor	E
Boric Acid	E
Bromine Water	C
Butter	C
Butyl Acetate	C
Butyl Alcohol	C
Butyric Acid	C
Calcium Chloride, Nitrate, Sulfate	E
Calcium Hydroxide	E
Calcium Hypochlorite	F
Carbonated Water	E
Casein	G
Cheese, all	G
Chlorine, Dry	F
Chlorine, Wet	F
Chlorine Water	E
Chloroacetic Acid, to 10%	C
Chloroform	N
Chromic Acid, to 5%	F
Chromic Acid, 5% to 10%	C
Cider	F
Citric Acid, to 10%	G
Citrus Fruits	G
Coffee	E
Copper Chloride, Nitrate, Sulfate	E
Corn Oil	G
Corn Syrup	G
Egg Yolk	E
Ethyl Acetate	C
Ethyl Alcohol	E
Ethyl Ether	F
Ethylene Dichloride	N
Ethylene Glycol	G

Fatty Acids	C
Ferric Chloride, Nitrate, Sulfate	G
Fluosilicic Acid	C
Formaldehyde	E
Formic Acid, 10%	F
Fruit Extracts	F
Fruit Juices	F
Gasoline	E
Glucose	F
Glycerine	G
Grape Juice	F
Horse Radish	E
Hydrobromic Acid, to 20%	G
Hydrochloric Acid, to 20%	E
Hydrochloric Acid, 20% to 37%	G
Hydrofluoric Acid, to 20%	C
Hydrofluoric Acid, 20% to 70%	N
Hydrofluosilicic Acid	C
Hydrogen Peroxide	G
Hypochlorous Acid, to 5%	F
Ice Cream	E
Jams & Jellies	F
Jet Fuel	E
Kerosene	E
Ketchup	G
Lactic Acid, to 5%	G
Lactic Acid, 5% to 10%	F
Lactic Acid, above 10%	C
Lard	C
Linseed Oil	F
Lux Liquid	E
Magnesium Chloride, Nitrate, Sulfate	E
Magnesium Hydroxide	E
Maleic Acid, 25%	C
Malt	G
Malt Liquors	G
Margarine	C
Methyl Alcohol	E
Methyl Ethyl Ketone	N
Methylene Chloride	N
Milk	E
Mineral Oil	E
Mineral Spirits	E
Molasses	F
Muriatic Acid	G
Mustard	G
Nickel Chloride, Nitrate, Sulfate	E
Nitric Acid, to 10%	F
Nitric Acid, 10% to 20%	C

Oleic Acid	C
Olive Oil	C
Oxalic Acid	G
Pectin	E
Perchloroethylene	C
Petroleum	E
Phenol, to 5%	C
Phosphoric Acid, to 25%	E
Phosphoric Acid, 25% to 50%	G
Phosphoric Acid, above 50%	C
Pickles	E
Picric Acid, to 5%	E
Potassium Bicarbonate, Carbonate	E
Potassium Chloride, Nitrate, Sulfate	E
Potassium Hydroxide, to 25%	E
Potassium Hydroxide, 25% to 50%	F
Salad Oils	C
Salicylic Acid	G
Shortening	C
Silver Nitrate	G
Skydrol	G
Smokehouse Residues	F
Sodium Bicarbonate, Carbonate	E
Sodium Bisulfate, Sulfate	E
Sodium Chloride, Nitrate, Phosphate	E
Sodium Hydroxide, to 25%	E
Sodium Hydroxide, 25% to 50%	F
Sodium Hypochlorite	F
Sodium Sulfide, Sulfite	G
Sodium Thiosulfate	E
Soft Drink Concentrates	C
Soft Drinks	G
Soups	E
Soya Oil	C
Stearic Acid	E
Sugar, Saturated Solution	F
Sulfuric Acid, to 20%	E
Sulfuric Acid, 20% to 50%	G
Sulfuric Acid, above 50%	C
Sulfurous Acid	E
Syrup	C
Tannic Acid	G
Tartaric Acid	G
Tea	E
Toluene	F
Toluene Sulfonic Acid	F
Tomato Juice	G
Trichloroethylene	C
Trisodium Phosphate	E

Tung Oil	F
Turpentine	G
Urea	E
Urine	G
Vegetable Oil	C
Vinegar	E
Water, Distilled	E
Water, Fresh	E
Water and Sewage	G
Wine	G
Xylene	F
Yeast	E
Zinc Chloride, Nitrate, Sulfate	E

(1-04²)

KEY

E - Excellent
 G - Good
 F - Fair
 N - Not Recommended
 C - Conditional; May be serviceable if the contaminant is immediately removed or washed off the surface.

Note - The information presented in the chemical resistance tables is based on judgments derived from laboratory testing and field service performance. The tables have been prepared as a guide to performance. No guarantee of results is made or implied and no liability in connection with this information is assumed. In actual service, floors and walls protected with REZKLAD E-AP are subjected to splash and spillage, as well as dilution effects of wash water, mixing with other solutions, wetting and drying cycles, temperature cycling and cleaning procedures. For immersion service, contact ATLAS for recommendation. The information presented herein should be supplemented by in-service testing. The data furnished in the tables may be revised on the basis of further testing.