



Atlas Minerals & Chemicals, Inc.



# DATA SHEET

3-110PI (6-00<sup>2</sup>)  
Supersedes 3-110PI (5-00)

## REZKLAD<sup>®</sup> E-SR / REZKLAD<sup>®</sup> E-SRC

### DESCRIPTION

REZKLAD E-SR and REZKLAD E-SRC are epoxy resin toppings installed at thicknesses of 1/4" (6.4 mm.).

### TYPICAL USES

REZKLAD E-SR and REZKLAD E-SRC are specialty epoxy floor toppings designed to develop superior resistance to many industrial chemicals. The excellent physical and mechanical properties, coupled with unique chemical resistance, allow them to be used in high-traffic, heavy load bearing areas. REZKLAD E-SR and REZKLAD E-SRC are certifiable for use in USDA inspected facilities. For walls and ceilings, REZKLAD E-SR Vertical Grade is available.

### CHEMICAL RESISTANCE

REZKLAD E-SR, REZKLAD E-SRC and REZKLAD E-SR Vertical Grade are capable of resisting concentrated sulfuric acid while providing a durable, abrasion resistant topping. They are materials of choice for process areas exposed to acid concentrations up to 98% sulfuric acid, 40% nitric acid and 20% chromic acid, as well as many organic solvents, such as butyl acetate, ethyl alcohol, toluene and xylene.

REZKLAD E-SRC, a 100% carbon filled material, is used for applications where resistance to hydrofluoric or fluoroboric acid, fluorides or high concentrations of sodium hydroxide is required.

### METHOD OF APPLICATION

REZKLAD E-SR Systems consist of a brush or roller applied REZKLAD E-CONCRETE PRIMER, the trowel applied REZKLAD E-SR or E-SRC and a roller or squeegee applied topcoat sealer consisting of REZKLAD SR Resin and Hardener. REZKLAD E-HI BUILD 110 can be used as an alternative topcoat sealer. For packaging, mixing and application of REZKLAD E-HI BUILD 110, refer to Data Sheet 7-604PI.

### AVAILABLE COLORS

Standard colors of REZKLAD E-SR and REZKLAD E-SR Vertical Grade are gray, red and tan. REZKLAD E-SRC is available in black only.

## PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE	
		E-SR	E-SRC
Density	ASTM C905	125 lb./cu. ft. (2.00 g./cc.)	85 lb./cu. ft. (1.37 g./cc.)
Bond Strength, 7 days @ 77°F (25°C)		Concrete Fails	
Tensile Strength, 7 days @ 77°F (25°C)	ASTM C307	2,500 psi. (17.2 MPa)	1,200 psi. (8.27 MPa)
Compressive Strength, 7 days @ 77°F (25°C)	ASTM C579	14,000 psi. (96.5 MPa)	9,800 psi. (67.6 MPa)
Flexural Strength, 7 days @ 77°F (25°C)	ASTM C580	4,800 psi. (33.1 MPa)	2,700 psi. (18.6 MPa)
Flexural Modulus of Elasticity	ASTM C580	2.0 x 10 <sup>6</sup> psi. (1.4 x 10 <sup>4</sup> MPa)	7.2 x 10 <sup>5</sup> psi. (5.0 x 10 <sup>3</sup> MPa)
Coefficient of Thermal Exp., in./in./°F (cm./cm./°C)	ASTM C531	2.4 x 10 <sup>-5</sup> (4.3 x 10 <sup>-5</sup> )	2.1 x 10 <sup>-5</sup> (3.8 x 10 <sup>-5</sup> )
Linear Shrinkage	ASTM C531	0.03%	0.3%
Water Absorption	ASTM C413	< 0.3%	< 0.3%
Temperature Resistance Continual Intermittent		160°F (71°C) 212°F (100°C)	160°F (71°C) 212°F (100°C)
Hardness, Shore D-2		90-95	85-90
Abrasion Resistance, Taber CS-17 wh., 1 kg., 1000 cyc.	ASTM C501	21 mg. weight loss	90 mg. weight loss
Flammability Extent of Burn	ASTM D635	Self-extinguishing	
		10 mm.	< 5 mm.
Impact Resistance, 1/4" (3.2 mm.) thick, unbonded	Gardner Tester	22 in. lb.	18 in. lb.
Heat Deflection Temperature	ASTM D648	119°F (48°C)	128°F (53°C)

## 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 m<sup>2</sup>) per unit

#### 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 m<sup>2</sup>) per unit

### REZKLAD E-SR

#### 44 lb. 6 oz. (20.1 kg.) Unit Consisting of:

One - 1/2-gal. can of Resin (4 lb. 4 oz. [1.9 kg.]

One - 1-qt. can of Hardener (1 lb. 10 oz. [737 g.]

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

Coverage: Approx. 17 sq. ft. (1.6 m<sup>2</sup>) per unit @ 1/4" (6.4 mm.) thickness

**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](http://www.atlasmin.com).

**488 lb. 11 oz. (221.7 kg.) Unit Consisting of:**

One - 5-gal. pail of Resin (47 lb. [21.3 kg.])  
 One - 5-gal. pail of Hardener (18 lb. 3 oz. [8.2 kg.])  
 Eleven - bags of Powder (38 lb. 8 oz. [17.5 kg.]) ea.  
 Coverage: Approx. 185 sq. ft. (17.2 m<sup>2</sup>) per unit @  
 1/4" (6.4 mm.) thickness

**REZKLAD E-SRC****25 lb. (11.3 kg.) Unit Consisting of:**

One - 1/2-gal. can of Resin (4 lb. 4 oz. [1.9 kg.])  
 One - 1-qt. can of Hardener (1 lb. 10 oz. [737 g.])  
 One - bag of Powder (19 lb. 2 oz. [8.7 kg.])  
 Coverage: Approx. 14 sq. ft. (1.3 m<sup>2</sup>) per unit @  
 1/4" (6.4 mm.) thickness

**276 lb. 11 oz. (125.5 kg.) Unit Consisting of:**

One - 5-gal. pail of Resin (47 lb. [21.3 kg.])  
 One - 5-gal. pail of Hardener (18 lb. 3 oz. [8.2 kg.])  
 Nine - bags of Powder (23 lb. 8 oz. [10.7 kg.]) ea.  
 Coverage: Approx. 155 sq. ft. (14.4 m<sup>2</sup>) per unit @  
 1/4" (6.4 mm.) thickness

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

One - 1/2-gal. can of Resin (4 lb. 4 oz. [1.9 kg.])  
 One - 1-qt. can of Hardener (1 lb. 10 oz. [737 g.])  
 One - bag of Powder (21 lb. 4 oz. [9.6 kg.])  
 Coverage: Approx. 20 sq. ft. (1.9 m<sup>2</sup>) per unit @  
 1/8" (3.2 mm.) thickness

**Topcoat Consisting of****5 lb. 14 oz. (2.7 kg.):**

One - 1/2-gal. can of REZKLAD SR Resin  
 (4 lb. 4 oz. [1.9 kg.])  
 One - 1-qt. can of REZKLAD SR Hardener  
 (1 lb. 10 oz. [737 g.])

**65 lb. 3 oz. (29.6 kg.):**

One - 5-gal. can of REZKLAD SR Resin (47 lb. [21.3 kg.])  
 One - 5-gal. pail of REZKLAD SR Hardener  
 (18 lb. 3 oz. [8.2 kg.])

**COVERAGE OF THE TOPCOAT**

Total Weight	5 mils	10 mils	Over Aggregate
5 lb. 14 oz.	195 sq. ft.	95 sq. ft.	75 sq. ft.
65 lb. 3 oz.	2,185 sq. ft.	1,090 sq. ft.	840 sq. ft.

**REZKLAD E-HI BUILD 110**

For the packaging, mixing and application of a topcoat or slip resistant surface, refer to 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 m<sup>2</sup>) per bag when used in primer  
 Coverage broadcast to excess: Approx. 500 sq. ft. (46.5 m<sup>2</sup>) per bag for a slip resistant finish

**SURFACE PREPARATION**

REZKLAD E-SR, REZKLAD E-SRC and REZKLAD E-SR Vertical Grade 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 the materials referred to in this Data Sheet 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 materials are between 60°F (16°C) and 85°F (29°C). Minimum temperature for installation is 60°F (16°C).

Do not apply REZKLAD E-SR Systems to substrates that can flex. Do not apply primer, topping or topcoat(s) when the relative humidity is greater than 75%. Protect uncured primer, topping and topcoat(s) from moisture contamination until they can support foot traffic. Maximum use temperature for continual service is 160°F (71°C).

**MIXING AND APPLICATION OF THE REZKLAD E-CONCRETE PRIMER**

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 suitable mixing 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 m<sup>2</sup>).
- Apply REZKLAD E-SR Systems 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.

**TYPICAL WORKING TIMES OF THE REZKLAD E-CONCRETE PRIMER**

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

**MIX RATIO CHART - REZKLAD E-SR**

REZKLAD E-SR	Weight	Volume
REZKLAD SR Resin	4 lb. 4 oz. (1.9 kg.)	55 fl. oz. (1.63 liters)
REZKLAD SR Hardener	1 lb. 10 oz. (737 g.)	25 fl. oz. (0.74 liters)
REZKLAD E-POWDER	38 lb. 8 oz. (17.5 kg.)	38 lb. 8 oz. (17.5 kg.) bag
<b>Batch Size</b>	44 lb. 6 oz. (20.1 kg.)	0.35 cu. ft. (10.1 liters)

**MIX RATIO CHART - REZKLAD E-SRC**

REZKLAD E-SRC	Weight	Volume
REZKLAD SR Resin	5 lb. 4 oz. (2.4 kg.)	67 fl. oz. (2.0 liters)
REZKLAD SR Hardener	2 lb. (907 g.)	30 fl. oz. (0.9 liters)
REZKLAD E-SRC Powder	23 lb. 8 oz. (10.7 kg.)	23 lb. 8 oz. (10.7 kg.) bag
<b>Batch Size</b>	30 lb. 12 oz. (13.9 kg.)	0.36 cu. ft. (10.2 liters)

**MIXING OF THE REZKLAD E-SR SYSTEMS**

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-SR****44 lb. 6 oz. (20.1 kg.) Unit:**

- Combine the contents of the 4 lb. 4 oz. (1.9 kg.) can of REZKLAD SR Resin with the 1 lb. 10 oz. (737 g.) can of REZKLAD SR 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.

**488 lb. 11 oz. (221.7 kg.) Unit:**

- Combine 55 fluid ounces (1.63 liters) of REZKLAD SR Resin and 25 fluid ounces (0.74 liters) of REZKLAD SR 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-SR Vertical Grade****27 lb. 2 oz. (12.3 kg.) Unit:**

- Combine the contents of the 4 lb. 4 oz. (1.9 kg.) can of REZKLAD SR Resin with the 1 lb. 10 oz. (737 g.) can of REZKLAD SR Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.

- Slowly add the 21 lb. 4 oz. (9.6 kg.) bag of REZKLAD E-SR Vertical Grade Powder.
- Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

**REZKLAD E-SRC****25 lb. (11.3 kg.) Unit:**

- Combine the contents of the 4 lb. 4 oz. (1.9 kg.) can of REZKLAD SR Resin with the 1 lb. 10 oz. (737 g.) can of REZKLAD SR Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.
- Slowly add the 19 lb. 2 oz. (8.7 kg.) bag of REZKLAD E-SRC Powder.
- Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

**276 lb. 11 oz. (125.5 kg.) Unit:**

- Combine 67 fluid ounces (2.0 liters) of REZKLAD SR Resin and 30 fluid ounces (0.9 liters) of REZKLAD SR Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.
- Slowly add the 23 lb. 8 oz. (10.7 kg.) bag of REZKLAD E-SRC Powder.
- Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

**TYPICAL SETTING TIMES OF THE REZKLAD E-SR**

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

**APPLICATION OF THE REZKLAD E-SR / REZKLAD E-SRC**

- Place freshly mixed REZKLAD E-SR / REZKLAD E-SRC on the properly prepared and primed substrate.

- b. Screed the REZKLAD E-SR / REZKLAD E-SRC to uniform thickness with a trowel, rake, screed bar or screed box.
- c. Compact and smooth the surface with a concrete finishing trowel. To remove trowel marks, roll lightly with a paint roller dampened with ethanol.
- d. Allow the REZKLAD E-SR / REZKLAD E-SRC to harden sufficiently to support foot traffic.
- e. Apply a topcoat or slip resistant surface of mixed REZKLAD SR Resin and Hardener or alternate topcoat system. REZKLAD E-HI BUILD 110 can be used as an alternate topcoat system. For packaging, mixing and application, refer to REZKLAD E-HI BUILD 110 Data Sheet, 7-604PI.

### MIXING OF THE TOPCOAT

Stir the contents of the individual resin and hardener containers prior to blending. Mixing of the components should be done by hand with a paint stirrer or with a hand drill equipped with a "Jiffy" type mixer at a mixing speed between 300 and 500 RPM.

#### 5 lb. 14 oz. (2.7 kg.):

- a. Combine the contents of the cans of REZKLAD SR Resin and Hardener in a clean, dry plastic or metal container.
- b. Mix thoroughly for approximately two minutes.

#### 65 lb. 3 oz. (29.6 kg.):

- a. Combine 55 fluid ounces (1.63 liters) of REZKLAD SR Resin and 25 fluid ounces (0.74 liters) of REZKLAD SR Hardener in the 5-gallon capacity mechanical mixer.
- b. Mix thoroughly for approximately two minutes.

### APPLICATION OF THE TOPCOAT:

Apply a topcoat or slip resistant surface within 48 hours of the application of REZKLAD E-SR / REZKLAD E-SRC. If the topcoat is to be applied over REZKLAD E-SR / REZKLAD E-SRC that has been installed for more than 48 hours, the topping surface must first be sanded, cleaned and primed with REZKLAD E-CONCRETE PRIMER. Apply the primer as described in "Mixing and Application of the REZKLAD E-CONCRETE PRIMER".

#### Topcoat over REZKLAD E-SR / REZKLAD E-SRC\*:

- a. Apply a 5 mil (13 mm.) topcoat of mixed REZKLAD SR Resin and Hardener. Spread with a flat rubber squeegee or the edge of a steel trowel.
- b. Immediately back roll with a short nap roller.
- c. Fill any pinholes or other defects with a second application of the topcoat.

#### Slip Resistant Surface over REZKLAD E-SR / REZKLAD E-SRC\*:

- a. Apply a 10 mil (0.25 mm.) topcoat of mixed REZKLAD SR Resin and Hardener with a medium nap roller.

- b. Into the wet topcoat and within 10 minutes, broadcast ATLAS AGGREGATE over REZKLAD E-SR or aluminum oxide over REZKLAD E-SRC. The aggregate can be broadcast in a range from light to excess. The amount of aggregate and size of aggregate will determine the finished texture.
- c. After the topcoat can support foot traffic, vacuum or sweep to remove any unbonded aggregate.
- d. Apply a second coat, approximately 10 mil (0.25 mm.), of topcoat with a flat rubber squeegee or short nap roller.

**\*Note:** If REZKLAD E-CONCRETE PRIMER or the topcoat are allowed to dry for longer than the maximum drying time, the surface must be sanded and cleaned before proceeding to the next step.

### OPTIONAL SURFACE FINISHES

**SMOOTH:** If a smoother, less textured surface is required, apply additional coats of mixed REZKLAD SR Resin and Hardener with a short nap roller until desired finish is attained.

### 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

REZKLAD E-SR Resin must be stored at temperatures above 50°F (10°C) to prevent crystallization. Uncrystallized resin is a clear, amber-colored liquid while crystallized resin has a milky, translucent appearance. If crystals form, heat slowly to 120°F (49°C) and stir until crystals dissolve. Cool before using. This will not affect the chemical or physical properties of the finished product.

Store all other 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-SR / REZKLAD E-SRC 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-SR or REZKLAD E-SRC, 1/4" trowel applied
- Topcoat, roller or squeegee applied

**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.**

## CHEMICAL RESISTANCE OF REZKLAD® E-SR / REZKLAD® E-SRC (3-110PI)

Acetic Acid, to 10%	E
Acetic Acid, 10% to 50%	C
Acetone	F
Alum or Aluminum Sulfate	E
Ammonium Chloride, Nitrate, Sulfate	E
Ammonium Hydroxide, to 30%	E
Aniline	C
Animal Oils	C
Bakery Products	C
Barium Chloride, Sulfate	E
Beer	E
Benzene	E
Benzene Sulfonic Acid, 10%	E
Benzoic Acid	E
Black Liquor	E
Boric Acid	E
Bromine Water	C
Butter	C
Butyl Acetate	E
Butyl Alcohol	E
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	C
Chlorine Water	E
Chloroacetic Acid, to 10%	C
Chlorobenzene	E
Chloroform	C
Chromic Acid, to 20%	E
Cider	F
Citric Acid, to 10%	E
Citrus Fruits	F
Coffee	E
Copper Chloride, Nitrate, Sulfate	E
Corn Oil	C
Corn Syrup	C
Dichlorobenze	E
Egg Yolk	E
Ethyl Acetate	F
Ethyl Alcohol	E
Ethyl Ether	E
Ethylene Dichloride	C
Ethylene Glycol	E
Fatty Acids	C

Ferric Chloride, Nitrate, Sulfate	E
Fluosilicic Acid	CA
Formaldehyde	G
Formic Acid, 10%	F
Fruit Extracts	F
Fruit Juices	F
Gasoline	E
Glucose	F
Glycerine	G
Grape Juice	F
Horse Radish	F
Hydrobromic Acid, to 20%	E
Hydrochloric Acid, to 37%	E
Hydrofluoric Acid, to 20%	GA
Hydrofluoric Acid, 20% to 70%	CA
Hydrofluosilicic Acid	CA
Hydrogen Peroxide	G
Hypochlorous Acid, to 5%	E
Ice Cream	E
Jams & Jellies	F
Jet Fuel	E
Kerosene	E
Ketchup	F
Lactic Acid, to 10%	E
Lactic Acid, above 10%	F
Lard	C
Linseed Oil	F
Lux Liquid	E
Magnesium Chloride, Nitrate, Sulfate	E
Magnesium Hydroxide	E
Maleic Acid, 25%	C
Malt	F
Malt Liquors	F
Margarine	C
Methyl Alcohol	G
Methyl Ethyl Ketone	F
Methylene Chloride	N
Milk	E
Mineral Oil	E
Mineral Spirits	E
Molasses	F
Muriatic Acid	E
Mustard	F
Nickel Chloride, Nitrate, Sulfate	E
Nitric Acid, to 20%	E
Nitric Acid, 20% to 40%	G
Oleic Acid	C
Olive Oil	G
Oxalic Acid	G

Pectin	E
Perchloroethylene	E
Petroleum	E
Phenol, to 5%	C
Phosphoric Acid, to 50%	E
Phosphoric Acid, above 50%	G
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%	EA
Salad Oils	G
Salicylic Acid	G
Shortening	C
Silver Nitrate	E
Skydrol	E
Smokehouse Residues	F
Sodium Bicarbonate, Carbonate	E
Sodium Bisulfate, Sulfate	E
Sodium Chloride, Nitrate, Phosphate	E
Sodium Hydroxide, to 50%	EA
Sodium Hypochlorite	G
Sodium Sulfide, Sulfite	E
Sodium Thiosulfate	E
Soft Drink Concentrates	F
Soft Drinks	G
Soups	E
Soya Oil	C
Stearic Acid	F
Sugar, Saturated Solution	F
Sulfuric Acid, to 98%	E
Sulfurous Acid	E
Syrup	F
Tannic Acid	F
Tartaric Acid	F
Tea	E
Toluene	E
Toluene Sulfonic Acid	G
Tomato Juice	F
Trichloroethylene	E
Trisodium Phosphate	E
Tung Oil	C
Turpentine	G
Urea	E
Urine	E
Vegetable Oil	G
Vinegar	E
Water, Distilled	E

Water, Fresh	E
Water and Sewage	G
Wine	E
Xylene	E
Yeast	C
Zinc Chloride, Nitrate, Sulfate	E

(6-00<sup>2</sup>)

### 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.
- A - Silica Filler may be attacked.

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