



Atlas Minerals & Chemicals, Inc.



# DATA SHEET

5-37PI (3-97<sup>2</sup>)  
Supersedes 5-37PI (9-95)

## REZKLAD® SR MORTAR / REZKLAD® SR-C MORTAR

### DESCRIPTION

REZKLAD SR MORTAR / REZKLAD SR-C MORTAR are solvent free, high performance, acid and solvent resistant mortars for acid brick construction.

### TYPICAL USES

REZKLAD SR MORTAR / REZKLAD SR-C MORTAR are recommended for floors, containment dikes, sumps, trenches and tanks requiring the corrosion, physical or thermal resistance of acid brick construction.

### CHEMICAL RESISTANCE

REZKLAD SR MORTAR is resistant to 98% sulfuric acid, 40% nitric acid, 20% chromic acid, 36% hydrochloric acid and organic solvents, such as toluene, xylene, benzene and 1,1,1-trichloroethane. REZKLAD SR-C MORTAR provides additional resistance to concentrated hydrofluoric acid and higher concentrations of sodium hydroxide and phosphoric acid. Refer to the chemical resistance chart for specific information. REZKLAD SR and SR-C MORTAR comply with the specifications of ASTM C395 for chemical resistant resin mortars.

### AVAILABLE COLORS

REZKLAD SR MORTAR is available in black, gray and red. REZKLAD SR-C MORTAR is available in black only.

### PACKAGING - REZKLAD SR MORTAR

**18 lb. 10 oz. (8.5 kg.) Unit Consisting of:**  
One - 1/2-gal. can of Resin (3 lb. 6 oz. [1.5 kg.])  
One - 1-qt. can of Hardener (1 lb. 5 oz. [595 g.])  
One - bag of Powder (13 lb. 15 oz. [6.3 kg.])

**260 lb. 5 oz. (118.1 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.])  
Seven - bags of Powder (27 lb. 14 oz. [12.6 kg.]) ea.

### TEMPERATURE DURING APPLICATION

Store REZKLAD SR MORTAR / REZKLAD SR-C MORTAR between 70°F (21°C) and 80°F (27°C) for 24 hours prior to use. The best working characteristics of the mortar will be attained when the temperature of the concrete substrate, air, masonry units and REZKLAD SR MORTAR / REZKLAD SR-C MORTAR are

## PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE	
		SR Mortar	SR-C Mortar
Density	ASTM C905	111 lb./cu. ft. (1.78 g./cc.)	77 lb./cu. ft. (1.23 g./cc.)
Bond Strength, 14 days @ 77°F (25°C)	ASTM C321	Brick Fails	
Tensile Strength, 7 days @ 77°F (25°C)	ASTM C307	2,500 psi. (17.2 MPa)	1,340 psi. (9.24 MPa)
Compressive Strength, 7 days @ 77°F (25°C)	ASTM C579	13,000 psi. (89.6 MPa)	11,400 psi. (78.7 MPa)
Flexural Strength, 7 days @ 77°F (25°C)	ASTM C580	5,000 psi. (34.5 MPa)	3,310 psi. (22.8 MPa)
Coefficient of Thermal Exp., in./in./°F (cm./cm./°C)	ASTM C531	2.6 x 10 <sup>-5</sup> (4.8 x 10 <sup>-5</sup> )	3.0 x 10 <sup>-5</sup> (5.4 x 10 <sup>-5</sup> )
Linear Shrinkage	ASTM C531	< 0.2%	< 0.2%
Water Absorption	ASTM C413	< 0.2%	< 0.3%
Temperature Resistance Continual Intermittent		160°F (71°C) 212°F (100°C)	160°F (71°C) 212°F (100°C)

between 65°F (18°C) and 85°F (29°C). Minimum temperature for installation is 50°F (10°C).

### WAXING OF THE BRICK

For applications where staining would be objectionable, a coating of paraffin wax must be applied to the surface face of the brick to limit staining of the brick. Prewaxed brick is available. The wax coating and excess mortar are removed from the surface of the brick by steam cleaning. Use a minimum 60 psi. nozzle pressure for cleaning. Refer to the "Typical Working & Setting Times" chart for the minimum cure time before steam cleaning.

### MIXING OF THE REZKLAD SR MORTAR

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.

### 18 lb. 10 oz. (8.5 kg.) Unit Consisting of:

- Combine the contents of the 1/2-gallon can (3 lb. 6 oz. [1.5 kg.]) of REZKLAD SR Resin with the 1-quart can (1 lb. 4 oz. [595 g.]) of REZKLAD SR Hardener in the 5 gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.
- Slowly add the 13 lb. 15 oz. (6.3 kg.) bag of REZKLAD MORTAR Powder.
- Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

## ESTIMATING TABLE - REZKLAD SR MORTAR

## FLOOR AREA

Brick Size	Installed Thickness	Pieces per Sq. Ft.	1/8" Wide x Full Depth Joint Square Feet per Unit		1/8" Setting Bed & 1/8" Wide x Full Depth Joint Square Feet per Unit	
			18# 10 oz. Unit	260# 5 oz. Unit	18# 10 oz. Unit	260# 5 oz. Unit
6" x 6" x 3/4"	3/4"	3.838	66 sq. ft.	925 sq. ft.	13 sq. ft.	180 sq. ft.
8" x 3-7/8" x 1"	1"	4.431	43 sq. ft.	605 sq. ft.	11 sq. ft.	160 sq. ft.
8" x 3-7/8" x 1-3/16"	1-3/16"	4.431	36 sq. ft.	510 sq. ft.	11 sq. ft.	155 sq. ft.
8" x 3-7/8" x 1-3/8"	1-3/8"	4.431	31 sq. ft.	440 sq. ft.	10 sq. ft.	145 sq. ft.
8" x 4" x 1-3/8"	1-3/8"	4.297	32 sq. ft.	450 sq. ft.	10 sq. ft.	150 sq. ft.
8" x 4" x 1-1/2"	1-1/2"	4.297	29 sq. ft.	415 sq. ft.	10 sq. ft.	145 sq. ft.
8" x 3-3/4" x 2-1/4"	2-1/4"	4.574	18 sq. ft.	265 sq. ft.	8 sq. ft.	120 sq. ft.
8" x 3-3/4" x 2-1/4"	3-3/4"	7.462	8 sq. ft.	110 sq. ft.	5 sq. ft.	70 sq. ft.
8" x 3-3/4" x 4-1/2"	3-3/4"	3.832	12 sq. ft.	175 sq. ft.	7 sq. ft.	100 sq. ft.
8" x 3-3/4" x 4-1/2"	4-1/2"	4.574	10 sq. ft.	140 sq. ft.	6 sq. ft.	85 sq. ft.

## COVE BASE

Cove Size	1/8" Wide x Full Depth Joint Linear Feet per Unit		1/8" Setting Bed & 1/8" Wide x Full Depth Joint Linear Feet per Unit	
	18# 10 oz. Unit	260# 5 oz. Unit	18# 10 oz. Unit	260# 5 oz. Unit
5" H x 6" L x 3/4"	137 lin. ft.	1,940 lin. ft.	28 lin. ft.	405 lin. ft.
5" H x 8" L x 1-3/16"	74 lin. ft.	1,060 lin. ft.	16 lin. ft.	225 lin. ft.
5" H x 8" L x 1-3/8"	64 lin. ft.	915 lin. ft.	15 lin. ft.	220 lin. ft.
3-7/8" H x 8" L x 1-3/8"	92 lin. ft.	1,310 lin. ft.	31 lin. ft.	440 lin. ft.
8" H x 3-3/4" L x 2-1/4"	26 lin. ft.	375 lin. ft.	12 lin. ft.	170 lin. ft.

Material estimating quantities may vary depending upon job conditions and application techniques. Material quantities above are theoretical and do not include a safety factor.

**260 lb. 5 oz. (118.0 kg.) Unit:**

- Evenly divide the contents of one of the 27 lb. 14 oz. (12.6 kg.) bags of REZKLAD MORTAR Powder into two equal parts by volume using two clean, dry 5-gallon pails.
- Combine 43.0 fluid ounces (1.27 liters) of REZKLAD SR Resin and 19.5 fluid ounces (0.57 liters) REZKLAD SR Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.
- Slowly add a 1/2 bag of REZKLAD MORTAR Powder, 13 lb. 15 oz. (6.3 kg.), as prepared in Step (a).
- Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

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

**APPLICATION OF THE REZKLAD SR MORTAR / REZKLAD SR-C MORTAR**

REZKLAD SR MORTAR / REZKLAD SR-C MORTAR can be used as a thin set bond coat, as a bed joint over an impervious membrane or with RED FURNANE® SETTING BED, Data Sheet 5-55PI.

**BRICK JOINTS:** Install the mortar using conventional bricklaying techniques. Apply the mortar to two sides of the brick forming a "V" profile. Place the brick on the setting bed and slide it into place to attain a 1/8" (3.2 mm.) wide joint. Strike excess mortar before the mortar begins to set.

**BOND COAT or BED JOINT:** Apply the mortar with a 3/16" V-notched trowel held at a 45 degree angle. Place a sufficient amount of mortar to provide a continuous bond coat to the specified thickness. Do not apply more mortar than can be covered in 20 to 30 minutes at 75°F (24°C).

## MIX RATIO CHART - REZKLAD SR MORTAR

REZKLAD SR MORTAR	Weight	Volume
REZKLAD SR Resin	3 lb. 6 oz. (1.5 kg.)	43.0 fl. oz. (1.27 liters)
REZKLAD SR Hardener	1 lb. 5 oz. (595 g.)	19.5 fl. oz. (0.57 liters)
REZKLAD MORTAR Powder	13 lb. 15 oz. (6.3 kg.)	1/2 of 27 lb. 14 oz. (12.6 kg.) bag
<b>Batch Size</b>	<b>18 lb. 10 oz. (8.5 kg.)</b>	<b>0.168 cu. ft. (4.75 liters)</b>

**TYPICAL WORKING & SETTING TIMES OF THE REZKLAD SR MORTAR / REZKLAD SR-C MORTAR**

Temperature	Working Time	Support Foot Traffic	Cure Before Steam Cleaning
50°F (10°C)	45 minutes	12 hours	48 hours
60°F (16°C)	35 minutes	9 hours	24 hours
75°F (24°C)	25 minutes	7-1/2 hours	24 hours
85°F (29°C)	15 minutes	4-1/2 hours	12 hours

**REZKLAD SR-C MORTAR****PACKAGING - REZKLAD SR-C MORTAR****16 lb. 7 oz. (7.4 kg.) Unit Consisting of:**

One - 1/2-gal. can of Resin (3 lb. 6 oz. [1.5 kg.])

One - 1-qt. can of Hardener (1 lb. 5 oz. [595 g.])

One - bag of Powder (11 lb. 12 oz. [5.3 kg.])

**229 lb. 9 oz. (104.1 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.])

Five - bags of Powder (32 lb. 14 oz. [14.9 kg.]) ea.

**MIXING OF THE REZKLAD SR-C MORTAR**

Mixing of the components should be done with a KOL type mixer with a 5 gallon capacity. The mixing speed should be 60 and 75 RPM.

**16 lb. 6 oz. (7.5 kg.) Unit**

- Combine the contents of the 1/2-gallon can (3 lb. 6 oz. [1.5 kg.]) of REZKLAD SR Resin with the 1-quart can (1 lb. 5 oz. [595 g.]) of REZKLAD SR Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.
- Slowly add the 11 lb. 12 oz. (5.3 kg.) bag of REZKLAD SR-C MORTAR Powder.

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

**229 lb. 9 oz. (104.1 kg.) Unit**

- Evenly divide the contents of one of the 32 lb. 14 oz. (14.9 kg.) bags of REZKLAD SR-C MORTAR Powder into two equal parts by volume using four clean, dry 5-gallon pails.
- Combine 60 fluid ounces (1.78 liters) of REZKLAD SR Resin and 27 fluid ounces (0.81 liters) REZKLAD SR Hardener in the 5-gallon capacity mechanical mixer. Mix thoroughly for approximately two minutes.
- Slowly add a 1/2 bag of REZKLAD SR-C MORTAR Powder, 16 lbs. 7 oz. (7.5 kg.), as prepared in Step (a.).
- Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

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

**MIX RATIO CHART - REZKLAD SR-C MORTAR**

REZKLAD SR-C MORTAR	Weight	Volume
REZKLAD SR Resin	3 lb. 6 oz. (1.5 kg.)	60 fl. oz. (1.78 liters)
REZKLAD SR Hardener	1 lb. 5 oz. (595 g.)	27 fl. oz. (0.81 liters)
REZKLAD SR-C MORTAR Powder	16 lb. 7 oz. (7.5 kg.)	1/2 of 32 lb. 14 oz. (14.9 kg.) bag
<b>Batch Size</b>	<b>22 lb. 15 oz. (10.4 kg.)</b>	<b>0.30 cu. ft. (8.43 liters)</b>

**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**

REZKLAD SR Resin must be stored at temperatures above 50°F (10°C) to prevent crystallization. Un-crystallized 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 won't 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.

## ESTIMATING TABLE - REZKLAD SR-C MORTAR

## FLOOR AREA

Brick Size	Installed Thickness	Pieces per Sq. Ft.	1/8" Wide x Full Depth Joint Square Feet per Unit		1/8" Setting Bed & 1/8" Wide x Full Depth Joint Square Feet per Unit	
			16# 7 oz. Unit	229# 9 oz. Unit	16# 7 oz. Unit	229# 9 oz. Unit
6" x 6" x 3/4"	3/4"	3.838	84 sq. ft.	1,180 sq. ft.	16 sq. ft.	230 sq. ft.
8" x 3-7/8" x 1"	1"	4.431	55 sq. ft.	775 sq. ft.	15 sq. ft.	205 sq. ft.
8" x 3-7/8" x 1-3/16"	1-3/16"	4.431	46 sq. ft.	650 sq. ft.	14 sq. ft.	195 sq. ft.
8" x 3-7/8" x 1-3/8"	1-3/8"	4.431	40 sq. ft.	560 sq. ft.	13 sq. ft.	185 sq. ft.
8" x 4" x 1-3/8"	1-3/8"	4.297	41 sq. ft.	575 sq. ft.	13 sq. ft.	190 sq. ft.
8" x 4" x 1-1/2"	1-1/2"	4.297	37 sq. ft.	525 sq. ft.	13 sq. ft.	185 sq. ft.
8" x 3-3/4" x 2-1/4"	2-1/4"	4.574	24 sq. ft.	335 sq. ft.	11 sq. ft.	150 sq. ft.
8" x 3-3/4" x 2-1/4"	3-3/4"	7.462	10 sq. ft.	140 sq. ft.	6 sq. ft.	95 sq. ft.
8" x 3-3/4" x 4-1/2"	3-3/4"	3.832	16 sq. ft.	225 sq. ft.	9 sq. ft.	125 sq. ft.
8" x 3-3/4" x 4-1/2"	4-1/2"	4.574	12 sq. ft.	175 sq. ft.	7 sq. ft.	110 sq. ft.

## COVE BASE

Cove Size	1/8" Wide x Full Depth Joint Linear Feet per Unit		1/8" Setting Bed & 1/8" Wide x Full Depth Joint Linear Feet per Unit	
	16# 7 oz. Unit	229# 9 oz. Unit	16# 7 oz. Unit	229# 7 oz. Unit
5" H x 6" L x 3/4"	174 lin. ft.	2,470 lin. ft.	36 lin. ft.	515 lin. ft.
5" H x 8" L x 1-3/16"	94 lin. ft.	1,350 lin. ft.	20 lin. ft.	290 lin. ft.
5" H x 8" L x 1-3/8"	82 lin. ft.	1,165 lin. ft.	19 lin. ft.	280 lin. ft.
3-7/8" H x 8" L x 1-3/8"	117 lin. ft.	1,665 lin. ft.	39 lin. ft.	560 lin. ft.
8" H x 3-3/4" L x 2-1/4"	33 lin. ft.	480 lin. ft.	15 lin. ft.	220 lin. ft.

Material estimating quantities may vary depending upon job conditions and application techniques. Material quantities above are theoretical and do not include a safety factor.

## PRODUCT SPECIFICATION

The system shall be REZKLAD SR MORTAR or REZKLAD SR-C MORTAR as manufactured by Atlas Minerals & Chemicals, Inc.

## PRECAUTIONS

Contact with certain concentrated acids may cause the surface of REZKLAD SR MORTAR 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.**

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

# CHEMICAL RESISTANCE OF REZKLAD® SR MORTAR / REZKLAD® SR-C MORTAR (5-37PI)

	SR		SR-C	
	MORTAR	MORTAR	MORTAR	MORTAR
	80°F	140°F	80°F	140°F
Acetic Acid, to 10%	R	R	R	R
Acetic Acid, 10% to 50%	C	N	C	N
Acetone	C	N	C	N
Alum or Aluminum Sulfate	R	R	R	R
Ammonium Chloride, Nitrate, Sulfate	R	R	R	R
Ammonium Hydroxide, to 30%	R	R	R	R
Aniline	C	N	C	N
Aqua Regia	N	N	N	N
Barium Chloride, Sulfate	R	R	R	R
Beer	R	R	R	R
Benzene	R	R	R	R
Benzene Sulfonic Acid, 10%	R	R	R	R
Benzoic Acid	R	R	R	R
Black Liquor	R	R	R	R
Bleaching Liquor, to 2%	R	R	R	R
Bleaching Liquor, Concentrated	N	N	N	N
Boric Acid	R	R	R	R
Butyl Acetate	R	R	R	R
Butyl Alcohol	R	R	R	R
Butyric Acid	C	N	C	N
Calcium Chloride, Nitrate, Sulfate	R	R	R	R
Calcium Hydroxide	R	R	R	R
Calcium Hypochlorite	R	C	R	C
Chlorine, Dry	C	-	C	-
Chlorine, Wet	C	-	C	-
Chlorine Water	R	-	R	-
Chloroacetic Acid, to 10%	C	C	C	C
Chloroform	R	C	R	C
Chromic Acid, to 20%	R	R	R	R
Citric Acid, to 10%	R	R	R	R
Copper Chloride, Nitrate, Sulfate	R	R	R	R
Ether	R	-	R	-
Ethyl Acetate	R	C	R	C
Ethyl Alcohol	R	-	R	-
Ethylene Dichloride	C	N	C	N
Ethylene Glycol	R	R	R	R
Fatty Acids	C	C	C	C
Ferric Chloride, Nitrate, Sulfate	R	R	R	R
Fluosilicic Acid, 30%	A	A	R	R
Formaldehyde, to 37%	R	R	R	R
Formic Acid, 10%	R	C	R	C
Grape Juice	R	C	R	C
Hydrobromic Acid, to 20%	R	R	R	R
Hydrochloric Acid, to 37%	R	R	R	R
Hydrofluoric Acid, to 20%	A	A	R	R

	SR		SR-C	
	MORTAR	MORTAR	MORTAR	MORTAR
	80°F	140°F	80°F	140°F
Hydrofluoric Acid, 20% to 70%	A	N	R	N
Hydrogen Peroxide	R	-	R	-
Hypochlorous Acid, to 5%	R	C	R	C
JetFuel	R	-	R	-
Kerosene	R	-	R	-
Lactic Acid, to 5%	R	R	R	R
Lactic Acid, 5% to 10%	C	C	C	C
Lactic Acid, above 10%	N	N	N	N
Lard	R	R	R	R
Lux Liquid	R	R	R	R
Magnesium Chloride, Nitrate, Sulfate	R	R	R	R
Maleic Acid	C	C	C	C
Methyl Alcohol	R	C	R	C
Methyl Ethyl Ketone	C	N	C	N
Methylene Chloride	N	N	N	N
Milk	R	R	R	R
Mineral Oil	R	R	R	R
Nickel Chloride, Nitrate, Sulfate	R	R	R	R
Nitric Acid, to 40%	R	C	R	C
Oleic Acid	C	C	C	C
Oxalic Acid	R	R	R	R
Perchloroethylene	R	C	R	C
Petroleum	C	N	C	N
Phenol, to 5%	C	N	C	N
Phosphoric Acid	R*	R*	R	R
Picric Acid, to 5%	R	N	R	N
Potassium Chloride, Nitrate, Sulfate	R	R	R	R
Potassium Hydroxide, to 25%	R	R	R	R
Potassium Hydroxide, 25% to 50%	A	A	R	R
Sodium Bicarbonate, Carbonate	R	R	R	R
Sodium Chloride, Nitrate, Phosphate	R	R	R	R
Sodium Hydroxide, to 25%	R	R	R	R
Sodium Hydroxide, 25% to 50%	A	A	R	R
Sodium Hypochlorite, to 6%	R	R	R	R
Sodium Hypochlorite, 6% to 16%	C	N	C	N
Sodium Sulfate, Sulfide	R	R	R	R
Stannic Chloride	R	N	R	N
Stearic Acid	C	C	C	C
Sugar, Saturated Solution	R	R	R	R
Sulfuric Acid, to 80%	R	R	R	R
Sulfuric Acid, to 96%	R	C	R	C
Sulfurous Acid, to 10%	R	R	R	R
Toluene	R	R	R	R
Toluene Sulfonic Acid	R	C	R	C
Tomato Juice	R	R	R	R

	SR		SR-C	
	MORTAR	MORTAR	MORTAR	MORTAR
	80°F	140°F	80°F	140°F
1,1,1-Trichloroethane	R	R	R	R
Trisodium Phosphate	R	R	R	R
Turpentine	R	-	R	-
Urea, to 20%	R	R	R	R
Urine	R	C	R	C
Vegetable Oil	R	R	R	R
Vinegar	R	R	R	R
Water, Fresh	R	R	R	R
Water, Distilled	R	R	R	R
Water and Sewage	R	R	R	R
Xylene	R	R	R	R
Zinc Chloride, Nitrate, Sulfate	R	R	R	R

(3-97<sup>2</sup>)

### KEY

- R - Recommended
- 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. REZKLAD SR-C MORTAR is recommended.
- \* - If traces of hydrofluoric acid or acid fluorides are present, Silica filler will be attacked. Use REZKLAD SR-C MORTAR.

**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 SR MORTAR / REZKLAD SR-C MORTAR 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 SR MORTAR 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.