



Atlas Minerals & Chemicals, Inc.



DATA SHEET

5-48PI (2-03³)

REZKLAD® HP MORTAR LT

DESCRIPTION

REZKLAD HP MORTAR LT is a solvent free, high performance, acid and solvent resistant mortar for structural glazed facing tile and chemical resistant brick construction.

TYPICAL USES

REZKLAD HP MORTAR LT is designed for installations when the substrate and ambient temperatures are between 34°F (1°C) and 60°F (16°C). It is also a rapid setting system when temperatures are between 60°F (16°C) and 70°F (21°C).

REZKLAD HP MORTAR LT is recommended as a pointing mortar for structural glazed facing tile and quarry tile walls. It can also be used as a mortar for brick construction of floors, trenches and sumps. The water washing feature of REZKLAD HP MORTAR LT eliminates the need for special masking or waxing of the brick or tile to prevent staining. The low odor of the mortar permits application in plants without special ventilation.

REZKLAD HP MORTAR LT is excellent for the food processing, beverage, pharmaceutical and electronic industries. REZKLAD HP MORTAR LT is resistant to food by-products, organic acids, process and sanitizing solutions containing chlorine, phosphoric, nitric and sulfuric acids, hydrogen peroxide and many solvents. It offers resistance to hot water and steam wash downs and will not support the growth of bacteria.

CHEMICAL RESISTANCE

REZKLAD HP MORTAR LT is resistant to dilute organic acids, such as 10% acetic, 10% lactic and 10% citric, alkalies and hypochlorite solutions. It's also resistant to organic solvents, such as toluene, xylene and benzene, as well as hydrochloric acid, phosphoric acid, 93% sulfuric acid, 30% nitric acid and 30% chromic acid. Refer to the chemical resistance chart for specific information. REZKLAD HP MORTAR LT complies with the specifications of ASTM C395 for chemical resistant resin mortars.

AVAILABLE COLORS

Standard colors are black, gray, white and red.

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
Density	ASTM C905	121 lb./cu. ft. (1.94 g./cc.)
Bond Strength, 7 days @ 77°F (25°C)	ASTM C321	Brick fails
Tensile Strength, 7 days @ 77°F (25°C)	ASTM C307	2,600 psi. (17.9 MPa)
Compressive Strength, 7 days @ 77°F (25°C)	ASTM C579	11,300 psi. (77.9 MPa)
Flexural Strength, 7 days @ 77°F (25°C)	ASTM C580	4,600 psi. (31.7 MPa)
Coefficient of Thermal Exp., in./in./°F (cm./cm./°C)	ASTM C531	3.3 x 10 ⁻⁵ (5.9 x 10 ⁻⁵)
Water Absorption	ASTM C413	0.2%
Temperature Resistance Continual Intermittent		185°F (85°C) 212°F (100°C)
Linear Shrinkage	ASTM C531	0.2%

PACKAGING

REZKLAD HP MORTAR LT

18 lb. 3 oz. (8.2 kg.) Unit Consisting of:

- One - 1/2-gal. can of Rezkklad HP Mortar Resin (2 lb. 13 oz. [1.3 kg.])
- One - 1-qt. can of Rezkklad HP Mortar LT Hardener (1 lb. 7 oz. [652 g.])
- One - bag of Rezkklad Mortar Powder (13 lb. 15 oz. [6.3 kg.])
- Nylon Scrub Pad, Rubber Gloves

289 lb. 14 oz. (131.5 kg.) Unit Consisting of:

- One - 5-gal. pail of Rezkklad HP Mortar Resin (44 lb. 9 oz. [20.2 kg.])
- One - 5-gal. pail of Rezkklad HP Mortar LT Hardener (22 lb. 5 oz. [10.1 kg.])
- Eight - bags of Rezkklad Mortar Powder (27 lb. 14 oz. [12.6 kg.]) ea.
- Nylon Scrub Pads, Rubber Gloves

TEMPERATURE DURING APPLICATION

Store REZKLAD HP MORTAR LT at 70°F (21°C) to 80°F (27°C) for 24 hours prior to use. Mix the components of REZKLAD HP MORTAR LT in an area where the temperature is between 70°F (21°C) and 75°F (24°C). Minimum temperature for installation is 34°F (1°C). At temperatures below 34°F (1°C), the product may not set or cure properly.

MIX RATIO CHART - POINTING MORTAR - REZKLAD HP MORTAR LT

	Weight		Volume	
	Parts by Weight	Weight	Parts by Volume	Volume
REZKLAD HP MORTAR Resin	100	2 lb. 13 oz. (1.3 kg.)	100	37 fl. oz. (1.10 ltr.)
REZKLAD HP MORTAR LT Hardener	50	1 lb. 7 oz. (652 g.)	58	22 fl. oz. (0.65 ltr.)
REZKLAD MORTAR Powder	500	13 lb. 15 oz. (6.3 kg.)	379	140 fl. oz. (4.1 ltr.)
	465	13 lb. 1 oz. (5.9 kg.)	353	130 fl. oz. (3.8 ltr.)
	425	11 lb. 15 oz. (5.4 kg.)	322	119 fl. oz. (3.5 ltr.)
	400	11 lb. 4 oz. (5.1 kg.)	303	112 fl. oz. (3.3 ltr.)
	375	10 lb. 9 oz. (4.8 kg.)	285	105 fl. oz. (3.1 ltr.)

Proportionally increase or decrease component quantities to attain larger or smaller batch sizes. The powder quantities are reference points and may be varied to conform to installation temperature and to adjust the mixed mortar consistency.

MEASURING OF**REZKLAD HP MORTAR LT COMPONENTS**

In the absence of a scale to weigh the components, approximate volume measurements are provided. Select a clean, dry, plastic or metal container equal to or larger than the desired component volume. Using a graduated measuring cup, measure and pour the prescribed fluid ounces (liters) of water into the container. Mark the fluid level. Remove the water and dry the container. At the fluid level mark, insert a self tapping sheet metal screw through the side wall of the container. Clearly mark the container for the intended use resin, hardener or powder and the volume measurement.

Powder component: Loosely pour the powder to the fluid level mark. Do not shake the powder container to settle powder. Powder volumes listed on the Data Sheet are approximate.

MIXING OF THE REZKLAD HP MORTAR LT

The mix ratio of REZKLAD HP MORTAR LT varies depending on the application and installation temperature.

- Pointing Mortar:** A mix ratio of 100 parts Resin to 50 parts Hardener to 500 parts Powder is suggested when using Rezkład HP Mortar LT as a fast setting pointing mortar at 70°F (21°C). Proportionally reduce the Powder ratio from 500 parts to 375 parts for substrate temperatures of 70°F (21°C) to 34°F (1°C).
- Full Joint Mortar** (for masonry paver floors and walls): A mix ratio of 100 parts Resin to 50 parts Hardener to 420 parts Powder is suggested when using Rezkład HP Mortar LT as a fast setting mortar at 70°F (21°C). Proportionally reduce the Powder ratio from 420 parts to 312 parts for substrate temperatures of 70°F (21°C) to 34°F (1°C).

Mixing: Pointing Mortar:

**18 lb. 3 oz. (8.2 kg.) Unit and
289 lb. 14 oz. (131.5 kg.) Unit:**

Refer to the “Mix Ratio Chart - Pointing Mortar” to proportionally decrease component quantities to attain smaller batch sizes. Stir the contents of the resin and hardener containers prior to blending. Mix the

components in an area where the temperature is between 70°F (21°C) and 75°F (24°C). Mixing of the components should be with a KOL type mixer with a 5-gallon capacity. Mixing speed should be between 60 and 75 RPM. The amount of the powder may be varied within the limits stated to adjust the mixed mortar consistency. Decreasing the powder component will decrease the estimated coverage.

- Place the contents of the 1/2-gallon can (2 lb. 13 oz. [1.3 kg.] or 37 fluid ounces (1.10 liters) of REZKLAD HP MORTAR Resin in the 5-gallon capacity mechanical mixer.
- Add the contents of the 1-quart can (1 lb. 7 oz. [652 g.] or 22 fluid ounces (0.65 liters) REZKLAD HP MORTAR LT Hardener. Mix the resin and hardener thoroughly for approximately two minutes.
- The amount of the powder may be varied to adjust the mixed mortar consistency relative to the installation temperature. Proportionally reduce the Powder ratio from 500 parts to 375 parts for substrate temperatures of 70°F (21°C) to 34°F (1°C). Decreasing the powder component will decrease the estimated coverage. Add between 13 lb. 15 oz. (6.3 kg.) to 10 lb. 9 oz. (4.8 kg.) of REZKLAD MORTAR Powder. Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed. The powder quantities are reference points and may be varied to conform to installation temperatures and mixed mortar consistency.

Mixing: Full Joint Mortar

(for masonry paver floors and walls):

**18 lb. 3 oz. (8.2 kg.) Unit and
289 lb. 14 oz. (131.5 kg.) Unit:**

Refer to the “Mix Ratio Chart - Full Joint Mortar” to proportionally decrease component quantities to attain smaller batch sizes. Stir the contents of the resin and hardener containers prior to blending. Mix the components in an area where the temperature is between 70°F (21°C) and 75°F (24°C). Mixing of the components should be with a KOL type mixer with a 5-gallon capacity. Mixing speed should be between

MIX RATIO CHART - FULL JOINT MORTAR - REZKLAD HP MORTAR LT (masonry paver floors and walls)

	Weight		Volume	
	Parts by Weight	Weight	Parts by Volume	Volume
REZKLAD HP MORTAR Resin	100	2 lb. 13 oz. (1.3 kg.)	100	37 fl. oz. (1.10 ltr.)
REZKLAD HP MORTAR LT Hardener	50	1 lb. 7 oz. (652 g.)	58	22 fl. oz. (0.65 ltr.)
REZKLAD MORTAR Powder	420	11 lb. 13 oz. (5.4 kg.)	319	118 fl. oz. (3.5 ltr.)
	390	11 lb. (5.0 kg.)	296	109 fl. oz. (3.2 ltr.)
	360	10 lb. 2 oz. (4.6 kg.)	273	101 fl. oz. (3.0 ltr.)
	330	9 lb. 4 oz. (4.2 kg.)	250	92 fl. oz. (2.7 ltr.)
	312	8 lb. 12 oz. (4.0 kg.)	237	87 fl. oz. (2.6 ltr.)

Proportionally increase or decrease component quantities to attain larger or smaller batch sizes. The powder quantities are reference points and may be varied to conform to installation temperature and to adjust the mixed mortar consistency.

TYPICAL WORKING AND SETTING TIMES OF THE REZKLAD HP MORTAR LT

Temperature	Working Time	Support Foot Traffic
70°F (21°C)	15 minutes	6 hours
60°F (16°C)	20 minutes	8 hours
50°F (10°C)	25 minutes	10 hours
40°F (4°C)	30 minutes	18 hours
34°F (1°C)	30 minutes	24 hours

60 and 75 RPM. The amount of the powder may be varied within the limits stated to adjust the mixed mortar consistency. Decreasing the powder component will decrease the estimated coverage.

- Place the contents of the 1/2-gallon can (2 lb. 13 oz. [1.3 kg.]) or 37 fluid ounces (1.10 liters) of REZKLAD HP MORTAR Resin in the 5-gallon capacity mechanical mixer.
- Add the contents of the 1-quart can (1 lb. 7 oz. [652 g.]) or 22 fluid ounces (0.65 liters) REZKLAD HP MORTAR LT Hardener. Mix the resin and hardener thoroughly for approximately two minutes.
- The amount of the powder may be varied to adjust the mixed mortar consistency relative to the installation temperature. Proportionally reduce the Powder ratio from 420 parts to 312 parts for substrate temperatures of 70°F (21°C) to 34°F (1°C). Decreasing the powder component will decrease the estimated coverage. Add between 11 lb. 13 oz. (5.4 kg.) to 8 lb. 12 oz. (4.0 kg.) of REZKLAD MORTAR Powder. Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed. The powder quantities are reference points and may be varied to conform to installation temperatures and mixed mortar consistency.

APPLICATION OF THE REZKLAD HP MORTAR LT POINTING MORTAR:

Use standard wall pointing techniques for filling the joints of quarry tile or structural glazed face tile. Maximum joint width for this application is 3/8" (9.5 mm.).

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.

CLEANING OF THE REZKLAD HP MORTAR LT

- Prepare 5-gallon pails of warm cleaning water. A small amount of liquid detergent added to warm water will aid the cleaning process.
 - Change cleaning water frequently as it becomes laden with grout residue.
 - The removal of the grout residue may begin immediately after the grout has been placed in the joint.
 - Complete the cleaning of the tile within the working time listed on the "Typical Working and Setting Times" chart.
 - Replace nylon scrub pads or cellulose sponges as they become worn or laden with excess grout residue.
 - Rubber gloves should be worn at all times.
- Apply a small amount of warm water to the surface of the tile.
 - Using a nylon scrub pad or cellulose sponge, loosen the grout residue from the tile with a circular motion until a white froth appears.
 - Using a damp cellulose sponge remove the froth. Apply sufficient pressure to remove residue but not enough to pull grout from the joints.
 - Continue the cleaning procedure frequently rinsing the cellulose sponge. Complete the cleaning with clean water until the surface is free of any haze.
 - A cellulose sponge may be used for final touch up cleaning.

After cleaning is completed, the area must be kept free of liquids and contaminants until the grout can support foot traffic as listed on the "Typical Working and Setting Times" chart.

ESTIMATING TABLES - REZKLAD HP MORTAR LT
POINTING MORTAR - WALL TILE

Face Size	18 lb. 3 oz. Unit 1/4" Wide Joints Square Feet per Unit			18 lb. 3 oz. Unit 3/8" Wide Joints Square Feet per Unit	
	1/4" Depth	3/8" Depth	1/2" Depth	3/8" Depth	1/2" Depth
2-1/4" x 8"	57 sq. ft.	38 sq. ft.	28 sq. ft.	26 sq. ft.	20 sq. ft.
4" x 8"	83 sq. ft.	55 sq. ft.	41 sq. ft.	38 sq. ft.	28 sq. ft.
4-1/4" x 4-1/4"	67 sq. ft.	44 sq. ft.	33 sq. ft.	31 sq. ft.	23 sq. ft.
5-1/16" x 7-3/4"	94 sq. ft.	62 sq. ft.	47 sq. ft.	43 sq. ft.	32 sq. ft.
5-1/16" x 11-3/4"	108 sq. ft.	72 sq. ft.	54 sq. ft.	49 sq. ft.	37 sq. ft.
6" x 6"	92 sq. ft.	61 sq. ft.	46 sq. ft.	42 sq. ft.	31 sq. ft.
7-5/8" x 7-5/8"	116 sq. ft.	77 sq. ft.	58 sq. ft.	52 sq. ft.	39 sq. ft.
7-5/8" x 11-5/8"	139 sq. ft.	92 sq. ft.	69 sq. ft.	63 sq. ft.	47 sq. ft.
7-3/4" x 7-3/4"	117 sq. ft.	78 sq. ft.	58 sq. ft.	53 sq. ft.	40 sq. ft.
7-3/4" x 11-3/4"	141 sq. ft.	94 sq. ft.	70 sq. ft.	63 sq. ft.	47 sq. ft.
7-3/4" x 15-3/4"	156 sq. ft.	104 sq. ft.	78 sq. ft.	70 sq. ft.	53 sq. ft.
8" x 8"	121 sq. ft.	81 sq. ft.	60 sq. ft.	55 sq. ft.	41 sq. ft.

Material estimating quantities may vary depending on job conditions and application techniques. Material quantities above are theoretical and don't include a safety factor. Above estimating is based on a weight ratio of 100 parts resin to 50 parts hardener to 500 parts powder. Decreasing the powder component will decrease the estimated coverage. Decrease estimated coverage by 4% for 465 parts powder, 8% for 425 parts powder, 12% for 400 parts powder and 16% for 375 parts powder. One 289 lb. 14 oz. unit equals sixteen 18 lb. 3 oz. units.

ESTIMATING TABLES - REZKLAD HP MORTAR LT

FLOOR AREA

Brick Size	Brick Depth	Pieces per Sq. Ft.	1/8" Wide x Full Depth Joint Square Feet per Unit	
			18 lb. 3 oz. Unit	289 lb. 14 oz. Unit
6" x 6" x 3/4"	3/4"	3.838	53 sq. ft.	831 sq. ft.
8" x 3-7/8" x 1"	1"	4.431	35 sq. ft.	545 sq. ft.
8" x 3-7/8" x 1-3/16"	1-3/16"	4.431	29 sq. ft.	459 sq. ft.
8" x 3-7/8" x 1-3/8"	1-3/8"	4.431	25 sq. ft.	396 sq. ft.
8" x 4" x 1-3/8"	1-3/8"	4.297	26 sq. ft.	405 sq. ft.
8" x 4" x 1-1/2"	1-1/2"	4.297	24 sq. ft.	371 sq. ft.
8" x 3-3/4" x 2-1/4"	2-1/4"	4.574	15 sq. ft.	237 sq. ft.
8" x 3-3/4" x 2-1/4"	3-3/4"	7.462	6 sq. ft.	99 sq. ft.
8" x 3-3/4" x 4-1/2"	3-3/4"	3.832	10 sq. ft.	159 sq. ft.
8" x 3-3/4" x 4-1/2"	4-1/2"	4.574	7 sq. ft.	118 sq. ft.

COVE BASE

Cove Size	1/8" Wide x Full Depth Joint Linear Feet per Unit	
	18 lb. 3 oz. Unit	289 lb. 14 oz. Unit
5" H x 6" L x 3/4"	112 lin. ft.	1,783 lin. ft.
5" H x 8" L x 1-3/16"	61 lin. ft.	975 lin. ft.
5" H x 8" L x 1-3/8"	53 lin. ft.	842 lin. ft.
3-7/8" H x 8" L x 1-3/8"	75 lin. ft.	1,202 lin. ft.
8" H x 3-3/4" L x 2-1/4"	21 lin. ft.	348 lin. ft.

Material estimating quantities may vary depending on job conditions and application techniques. Material quantities above are theoretical and don't include a safety factor. Above estimating is based on a weight ratio of 100 parts resin to 50 parts hardener to 420 parts powder. Decreasing the powder component will decrease the estimated coverage. Decrease estimated coverage by 4% for 390 parts powder, 8% for 360 parts powder, 12% for 330 parts powder and 16% for 312 parts powder.

Structural Glazed Facing Tile & Quarry Tile Walls:

A resin rich surface can be achieved by wiping the joints with a rag dampened with mineral spirits before the mortar begins to harden. NEVER allow the REZKLAD HP MORTAR LT to remain on the tile for more than 45 minutes. If the mortar cures on the tile, it must be removed by mechanical means which can damage the face of the tile.

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 mortar shall be REZKLAD HP MORTAR LT as manufactured by Atlas Minerals & Chemicals, Inc. and comply with the requirements of ASTM C395 and be resistant to organic and inorganic acids, organic solvents. During the installation, the mortar shall be low odor, water cleanable and not require a wax coating for the surface of the masonry units.

PRECAUTIONS

Contact with certain concentrated acids may cause the surface of REZKLAD HP MORTAR LT 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® HP MORTAR LT (5-48PI)

	80°F	140°F
Acetic Acid, to 10%	R	R
Acetic Acid, 10% to 50%	C	N
Acetone	C	N
Alum or Aluminum Sulfate	R	R
Ammonium Chloride, Nitrate, Sulfate	R	R
Ammonium Hydroxide, to 30%	R	R
Aniline	C	N
Aqua Regia	N	N
Barium Chloride, Sulfate	R	R
Beer	R	R
Benzene	R	R
Benzene Sulfonic Acid, 10%	R	R
Benzoic Acid	R	R
Black Liquor	R	R
Bleaching Liquor, to 2%	R	R
Bleaching Liquor, conc.	N	N
Boric Acid	R	C
Butter	R	R
Butyl Acetate	R	R
Butyl Alcohol	R	R
Butyric Acid	C	N
Calcium Chloride, Nitrate, Sulfate	R	R
Calcium Hydroxide	R	R
Calcium Hypochlorite	R	C
Casein	R	R
Chlorine, Dry	C	C
Chlorine, Wet	C	C
Chlorine Water	R	-
Chloroacetic Acid, to 10%	C	C
Chloroform	R	C
Chromic Acid, to 30%	R	C
Citric Acid, to 10%	R	R
Copper Chloride, Nitrate, Sulfate	R	R
EcoLab "Lift II"	R	R
EcoLab "XY12"	R	R
EcoLab "HC-10"	R	R
EcoLab "Ster-bac"	R	R
EcoLab "P3Oxonia"	R	R
EcoLab "Enforce"	R	R
Ether	R	-
Ethyl Acetate	C	C
Ethyl Alcohol	R	C
Ethylene Dichloride	C	N
Ethylene Glycol	R	C
Fatty Acids	C	C
Ferric Chloride, Nitrate, Sulfate	R	R
Fluosilicic Acid, 30%	RA	RA

	80°F	140°F
Formaldehyde, to 37%	R	R
Formic Acid, 10%	R	C
Grape Juice	R	R
Hydrobromic Acid, to 20%	R	R
Hydrochloric Acid, to 37%	R	R
Hydrofluoric Acid, to 20%	RA	RA
Hydrogen Peroxide	R	C
Hypochlorous Acid, to 5%	R	C
Jet Fuel	R	-
Kerosene	R	-
Lactic Acid, to 5%	R	R
Lactic Acid, 5% to 10%	R	C
Lactic Acid, above 10%	N	N
Lard	R	R
Lux Liquid	R	R
Magnesium Chloride, Nitrate, Sulfate	R	R
Maleic Acid	C	C
Methyl Alcohol	C	C
Methyl Ethyl Ketone	N	N
Methylene Chloride	N	-
Milk	R	R
Mineral Oil	R	R
Nickel Chloride, Nitrate, Sulfate	R	R
Nitric Acid, to 30%	R	R
Oleic Acid	C	C
Oxalic Acid	R	C
Peracetic Acid, 1%	R	R
Perchloroethylene	C	C
Petroleum	R	R
Phenol, to 5%	C	C
Phosphoric Acid	R	R
Picric Acid, to 5%	R	N
Potassium Chloride, Nitrate, Sulfate	R	R
Potassium Hydroxide, to 25%	R	R
Potassium Hydroxide, 25% to 50%	RA	RA
Salt, Saturated Solution	R	R
Sodium Bicarbonate, Carbonate	R	R
Sodium Chloride, Nitrate, Phosphate	R	R
Sodium Hydroxide, to 25%	R	R
Sodium Hydroxide, 25% to 50%	RA	RA
Sodium Hypochlorite, to 6%	R	R
Sodium Hypochlorite, 6% to 12%	R	C
Sodium Sulfate, Sulfide	R	R
Stannic Chloride	C	C
Stearic Acid	R	R
Sugar, Saturated Solution	R	R
Sulfuric Acid, to 93%	R	C

	80°F	140°F
Sulfurous Acid, to 10%	R	R
Toluene	R	R
Toluene Sulfonic Acid	R	C
Tomato Juice	R	R
1,1,1-Trichloroethane	R	R
Trisodium Phosphate	R	R
Turpentine	R	C
Urea, to 20%	R	R
Urine	R	C
Vegetable Oil	R	R
Vinegar	R	R
Water, Fresh	R	R
Water, Distilled	R	R
Water and Sewage	R	R
Xylene	R	R
Zinc Chloride, Nitrate, Sulfate	R	R

(2-033)

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.

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 HP MORTAR LT 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 HP MORTAR LT 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.