



## REZKLAD® HP GROUT

### DESCRIPTION

REZKLAD HP GROUT is a high performance, solvent free, acid and solvent resistant grout for quarry tile and brick paver floor systems installed by the Tilesetter's method.

### TYPICAL USES

REZKLAD HP GROUT is recommended for the food processing, beverage, pharmaceutical and electronic industries that require long term performance of floors exposed to chemicals, mechanical abuse and rolling traffic.

REZKLAD HP GROUT is certifiable for use in USDA inspected facilities. It also offers resistance to hot water and steam wash downs and will not support the growth of bacteria.

REZKLAD HP GROUT is also an excellent product for re-grouting existing brick and tile floor joints that have eroded. The high bond strength feature provides maximum adhesion to shallow joints. The low odor of the grout permits re-grouting in plants without special ventilation. The water washing feature of REZKLAD HP GROUT eliminates the need for special masking or waxing of the brick or tile to prevent staining.

### CHEMICAL RESISTANCE

REZKLAD HP GROUT 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, 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 GROUT complies with specifications of ASTM C658 and ANSI A118.3.

### METHOD OF INSTALLATION

REZKLAD HP GROUT is designed to be installed by the Tilesetter's method. The quarry tile or brick pavers are set in a bond coat of REZKLAD HP GROUT or RED FURNANE® SETTING BED, Data Sheet 5-55PI, with a nominal 1/4" space between the masonry units. After the bond coat has set, the REZKLAD HP GROUT is floated into the joints.

### AVAILABLE COLORS

Standard colors are black, gray, white and red.

## 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)	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	13,000 psi. (89.7 MPa)
Flexural Strength, 7 days @ 77°F (25°C)	ASTM C580	4,500 psi. (31.0 MPa)
Coefficient of Thermal Exp., in./in./°F (cm./cm./°C)	ASTM C531	3.56 x 10 <sup>-5</sup> (6.42 x 10 <sup>-5</sup> )
Linear Shrinkage	ASTM C531	0.2%
Water Absorption	ASTM C413	0.15%
Initial Set	ANSI A118.3	> 2 hours
Temperature Resistance Continual Intermittent		185°F (85°C) 212°F (100°C)

## PACKAGING - REZKLAD HP GROUT

### 10 lb. 8 oz. (4.8 kg.) Unit Consisting of:

One - 1-qt. can of Resin (1 lb. 8 oz. [680 g.])  
One - 1-pt. can of Hardener (12 oz. [340 g.])  
One - bag of Powder (8 lb. 4 oz. [3.7 kg.])  
Nylon Scrub Pad, Rubber Gloves

### 33 lb. 4 oz. (15.1 kg.) Unit Consisting of:

One - 1/2-gal. can of Resin (4 lb. 12 oz. [2.2 kg.])  
One - 1/2-gal. can of Hardener (2 lb. 6 oz. [1.1 kg.])  
One - bag of Powder (26 lb. 2 oz. [11.9 kg.])  
Nylon Scrub Pad, Rubber Gloves

### 333 lb. 4 oz. (151.2 kg.) Unit Consisting of:

One - 5-gal. pail of Resin (48 lb. [21.8 kg.])  
One - 5-gal. pail of Hardener (24 lb. [10.9 kg.])  
Five - bags of Powder (52 lb. 4 oz. [23.7 kg.]) ea.  
Nylon Scrub Pad, Rubber Gloves

## TEMPERATURE DURING APPLICATION

Store REZKLAD HP GROUT at 70°F (21°C) to 80°F (27°C) for 24 hours prior to use. The best working characteristics of the grout will be attained when the temperature of the substrate, air and REZKLAD HP GROUT are between 60°F (16°C) and 85°F (29°C). Minimum temperature for installation is 45°F (7°C). At temperatures below 45°F (7°C), the product may not set or cure properly.

## ESTIMATING TABLES - REZKLAD HP GROUT

## FLOOR AREA

Brick Size	1/4" Wide x Full Depth Joint Square Feet per Unit		
	10 lb. 8 oz. Unit	33 lb. 4 oz. Unit	333 lb. 4 oz. Unit
6" x 6" x 1/2"	25 sq. ft.	81 sq. ft.	816 sq. ft.
6" x 6" x 3/4"	17 sq. ft.	54 sq. ft.	544 sq. ft.
8" x 3-7/8" x 1"	11 sq. ft.	35 sq. ft.	359 sq. ft.
8" x 3-7/8" x 1-3/16"	9 sq. ft.	30 sq. ft.	302 sq. ft.
8" x 3-7/8" x 1-3/8"	8 sq. ft.	26 sq. ft.	261 sq. ft.
8" x 4" x 1/2"	23 sq. ft.	73 sq. ft.	732 sq. ft.
8" x 4" x 1-3/8"	8 sq. ft.	26 sq. ft.	266 sq. ft.
8" x 4" x 1-1/2"	7 sq. ft.	24 sq. ft.	244 sq. ft.

## COVE BASE

REZKLAD HP GROUT may be used for the cove base joints. Maximum joint width for these applications is 1/4" (6.4 mm.). Add approximately 20% additional powder by weight to standard grout mix to achieve mortar consistency.

Cove Size	1/4" Wide x Full Depth Joint Linear Feet per Unit		
	10 lb. 8 oz. Unit	33 lb. 4 oz. Unit	333 lb. 4 oz. Unit
5" H x 6" L x 1/2"	51 lin. ft.	163 lin. ft.	1,637 lin. ft.
5" H x 6" L x 3/4"	34 lin. ft.	108 lin. ft.	1,091 lin. ft.
5" H x 8" L x 1-3/16"	18 lin. ft.	59 lin. ft.	599 lin. ft.
5" H x 8" L x 1-3/8"	16 lin. ft.	51 lin. ft.	517 lin. ft.
3-7/8" H x 8" L x 1-3/8"	23 lin. ft.	73 lin. ft.	736 lin. ft.

Bond Coat: @ 3/32": 10 ft<sup>2</sup> per 10 lb. 8 oz. unit      34 ft<sup>2</sup> per 33 lb. 4 oz. unit      341 ft<sup>2</sup> per 333 lb. 4 oz. unit  
 Bond Coat: @ 1/8": 8 ft<sup>2</sup> per 10 lb. 8 oz. unit      25 ft<sup>2</sup> per 33 lb. 4 oz. unit      255 ft<sup>2</sup> per 333 lb. 4 oz. unit

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 550 parts powder. Decreasing the powder component to 500 parts will decrease the estimated coverage by approximately 6%; Decreasing the powder component to 450 parts will decrease the estimated coverage by approximately 12%.

### MEASURING OF REZKLAD HP GROUT 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 GROUT

#### 10 lb. 8 oz. (4.8 kg.) Unit:

Stir the contents of the resin and hardener containers

prior to blending. Mix the components by hand using a clean, dry, plastic or metal container and a margin trowel. The amount of the powder may be varied within the limits stated below to adjust the mixed grout consistency. Decreasing the powder component will decrease the estimated coverage. Proportionally decrease component quantities to attain smaller batch sizes.

- Place the contents of the 1-quart can (1 lb. 8 oz. [680 g.]) of REZKLAD HP GROUT Resin in the mixing container. Scrape the sides of the resin can to remove all the resin.
- Add the contents of the 1-pint can (12 oz. [340 g.]) of REZKLAD HP GROUT Hardener. Mix the resin and hardener thoroughly for approximately two minutes.
- The amount of powder may be varied to adjust the mixed grout consistency. Add between 8 lb. 4 oz. (3.7 kg.) to 6 lb. 12 oz. (3.0 kg.) of REZKLAD GROUT Powder. Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

**REZKLAD HP GROUT - MIX RATIO CHART**Batch Size: 0.28 to 0.25 ft.<sup>3</sup> (7.8 to 6.5 liters)

	Weight		Volume	
	Parts by Weight	Weight	Parts by Volume	Volume
REZKLAD HP GROUT Resin	100	4 lb. 12 oz. (2.2 kg.)	100	62 fl. oz. (1.85 liters)
REZKLAD HP GROUT Hardener	50	2 lb. 6 oz. (1.1 kg.)	60	37 fl. oz. (1.10 liters)
REZKLAD GROUT Powder	550	26 lb. 2 oz. (11.9 kg.)	384	239 fl. oz. (7.1 liters)
	500	23 lb. 12 oz. (10.8 kg.)	349	218 fl. oz. (6.5 liters)
	450	21 lb. 6 oz. (9.7 kg.)	314	196 fl. oz. (5.8 liters)

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

**REZKLAD GROUT Powder**

Weight	Approximate Volume
8 lb. 4 oz. (3.7 kg.)	75 fluid ounces (2.2 liters)
7 lb. 8 oz. (3.4 kg.)	69 fluid ounces (2.0 liters)
6 lb. 12 oz. (3.0 kg.)	62 fluid ounces (1.8 liters)

**MIXING OF THE REZKLAD HP GROUT****33 lb. 4 oz. (15.1 kg.) Unit:**

Stir the contents of the resin and hardener containers prior to blending. 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 below to adjust the mixed grout consistency. Decreasing the powder component will decrease the estimated coverage. Refer to the Mix Ratio Chart to proportionally decrease component quantities to attain smaller batch sizes.

- Place the contents of the 1/2-gallon can (4 lb. 12 oz. [2.2 kg.]) of REZKLAD HP GROUT Resin in the 5-gallon capacity mechanical mixer. Scrape the sides of the resin can to remove all the resin.
- Add the contents of the 1/2-gallon can (2 lb. 6 oz. [1.1 kg.]) of REZKLAD HP GROUT Hardener. Mix the resin and hardener thoroughly for approximately two minutes.
- The amount of powder may be varied to adjust the mixed grout consistency. Add between 26 lb. 2 oz. (11.9 kg.) to 21 lb. 6 oz. (9.7 kg.) of REZKLAD GROUT Powder. Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

**REZKLAD GROUT Powder**

Weight	Approximate Volume
26 lb. 2 oz. (11.9 kg.)	239 fluid ounces (7.1 liters)
23 lb. 12 oz. (10.8 kg.)	218 fluid ounces (6.5 liters)
21 lb. 6 oz. (9.7 kg.)	196 fluid ounces (5.8 liters)

**MIXING OF THE REZKLAD HP GROUT****333 lb. 4 oz. (151.2 kg.) Unit:**

Stir the contents of the resin and hardener containers prior to blending. 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 below to adjust the mixed grout consistency. Decreasing the powder component will decrease the estimated coverage. Refer to the Mix Ratio Chart to

proportionally increase or decrease component quantities to attain larger or smaller batch sizes. The following instructions are for a batch size between 33 lb. 4 oz. (15.0 kg.) to 28 lb. 8 oz. (12.9 kg.).

- Place 4 lb. 12 oz. (2.2 kg.) or 62 fluid ounces (1.85 liters) of REZKLAD HP GROUT Resin in the 5-gallon capacity mechanical mixer.
- Add 2 lb. 6 oz. (1.1 kg.) or 37 fluid ounces (1.10 liters) REZKLAD HP GROUT Hardener. Mix the resin and hardener thoroughly for approximately two minutes.
- The amount of powder may be varied to adjust the mixed grout consistency. Add between 26 lb. 2 oz. (11.9 kg.) to 21 lb. 6 oz. (9.7 kg.) of REZKLAD GROUT Powder. Mix the combined components for approximately two minutes or until all the powder is thoroughly dispersed.

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26 lb. 2 oz. (11.9 kg.)	239 fluid ounces (7.1 liters)
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21 lb. 6 oz. (9.7 kg.)	196 fluid ounces (5.8 liters)

**TYPICAL WORKING AND SETTING TIMES OF THE REZKLAD HP GROUT**

Temperature	Working Time	Support Foot Traffic
45°F (7°C)	65 minutes	24 hours
60°F (16°C)	55 minutes	9 hours
75°F (24°C)	45 minutes	7-1/2 hours
85°F (29°C)	25 minutes	4-1/2 hours

**APPLICATION OF THE REZKLAD HP GROUT**

- Place the freshly mixed REZKLAD HP GROUT on the tile or pavers.
- With a rubber faced or steel trowel work the grout into the open joints.
- The rubber faced trowel or rubber squeegee is used to remove excess grout. Hold the trowel with the flat edge nearly perpendicular to the surface and pull diagonally across the grouted joints. Remove as much residue as possible from the tile surface.

A second grout pass may be required on pavers 1-3/16" thick or greater to compensate for any settling or low joints. The second pass of grout must be

## RE-GROUTING ESTIMATING TABLE - REZKLAD HP GROUT

REZKLAD HP GROUT - 10 lb. 8 oz. Unit Square Feet per Unit 1/4" Wide Joint x Joint Depth				REZKLAD HP GROUT - 33 lb. 4 oz. Unit Square Feet per Unit 1/4" Wide Joint x Joint Depth			
Joint Depth	Brick Face Size			Joint Depth	Brick Face Size		
	6" x 6"	8" x 3-7/8"	8" x 4"		6" x 6"	8" x 3-7/8"	8" x 4"
3/8"	34 sq. ft.	30 sq. ft.	30 sq. ft.	3/8"	108 sq. ft.	95 sq. ft.	97 sq. ft.
1/2"	25 sq. ft.	22 sq. ft.	23 sq. ft.	1/2"	81 sq. ft.	71 sq. ft.	73 sq. ft.
5/8"	20 sq. ft.	18 sq. ft.	18 sq. ft.	5/8"	65 sq. ft.	57 sq. ft.	58 sq. ft.
3/4"	17 sq. ft.	15 sq. ft.	15 sq. ft.	3/4"	54 sq. ft.	47 sq. ft.	48 sq. ft.
1"		11 sq. ft.	11 sq. ft.	1"		35 sq. ft.	36 sq. ft.
1-3/16"		9 sq. ft.	9 sq. ft.	1-3/16"		30 sq. ft.	30 sq. ft.
1-3/8"		8 sq. ft.	8 sq. ft.	1-3/8"		26 sq. ft.	26 sq. ft.
1-1/2"			7 sq. ft.	1-1/2"			24 sq. ft.

applied within 2 to 24 hours following the initial grout application and cleaning. Occasional voids may form by entrapped air rising to the surface. The voids should be filled upon discovery and preferably while joints are still soft.

**CLEANING OF THE REZKLAD HP GROUT**

- 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.
1. Apply a small amount of warm water to the surface of the tile.
  2. Using a nylon scrub pad or cellulose sponge, loosen the grout residue from the tile with a circular motion until a white froth appears.
  3. Using a damp cellulose sponge remove the froth. Apply sufficient pressure to remove residue but not enough to pull grout from the joints.
  4. Continue the cleaning procedure frequently rinsing the cellulose sponge. Complete the cleaning with clean water until the surface is free of any haze.  
A damp cotton towel or wool blanket can be used by dragging it across the surface of the tile. Frequently rinse and clean the cotton towel or wool blanket. Repeat the cleaning with clean water until surface is free of any haze.

5. A cellulose sponge may be used for final touch up cleaning.

After cleaning is completed, the floor 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.

**RE-GROUTING EXISTING FLOORS**

REZKLAD HP GROUT can be used to re-grout existing tile and brick floor joints and as a bond coat to set replacement or loose tile or brick.

**Tile and Brick Surface Preparation:** The tile or brick must be free of oils, grease, fats and other contaminants.

- a. Clean floor area with a scrub brush and a commercial grade detergent based degreasing solution. An alternate to detergent degreasers is a mixture of one pint trisodium phosphate (TSP) or sodium carbonate to two gallons of water. After scrubbing, rinse thoroughly with clean water. Repeat as necessary to remove any remaining contaminants.
- b. Remove excess and standing water by vacuuming. Follow product manufacturer's recommendations for proper use, handling and disposal of liquids.

**Joint Preparation:**

- a. Saw cut the joints. A 5" or 6" diameter diamond tip masonry saw blade is suggested.  
**Joint Width:** Cut the joints the full width of the original joint to expose the side of the tile joint. Minimum joint width is 1/8" (3.2 mm.).  
**Joint Depth:** Cut joint depth a minimum of 3/8" (9.5 mm.) deep.
- b. Remove all debris by vacuuming. Wipe tile face and tile joints with dampened sponge to remove residual dust.

Follow grouting and cleaning techniques as described in "Application of the REZKLAD HP GROUT" and "Cleaning of the REZKLAD HP GROUT".

**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 grout shall be REZKLAD HP GROUT as manufactured by Atlas Minerals & Chemicals, Inc. The grout shall be certifiable for use in USDA inspected facilities and comply with the requirements of ASTM C658 and ANSI A118.3. The grout must be resistant to organic acids, organic solvents and inorganic acids. During the installation, the grout shall be low odor, water cleanable and not require a wax coating for the surface of the masonry units.

**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® HP GROUT (3-35PI)

	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	-
Chlorine, Wet	C	-
Chlorine Water	R	-
Chloroacetic Acid, to 10%	C	C
Chloroform	R	-
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	-
Ethyl Alcohol	R	C
Ethylene Dichloride	C	-
Ethylene Glycol	R	R
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	-
Hypochlorous Acid, to 5%	R	C
Jet Fuel	R	-
Kerosene	R	-
Lactic Acid, 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
Methylene Chloride	N	-
Methyl Ethyl Ketone	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	-
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 Sulfate, Sulfide	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	-
Stannic Chloride	R	N
Stearic Acid	C	C
Sugar, Saturated Solution	R	R
Sulfuric Acid, to 93%	R	C
Sulfurous Acid, to 10%	R	R

	80°F	140°F
Toluene	R	R
Toluene Sulfonic Acid	R	C
Tomato Juice	R	R
1,1,1-Trichloroethane	R	R
Trisodium Phosphate	R	R
Turpentine	R	-
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

(8-02<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.

**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 GROUT 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 GROUT 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.