



Atlas Minerals & Chemicals, Inc.



DATA SHEET

3-64PI (10-07)
Supersedes 3-64PI (1-98²)

REZKLAD[®] E-JOINT SEALANT

DESCRIPTION

REZKLAD E-JOINT SEALANT is a two-component system consisting of a resin and a hardener which form a pourable joint sealant when mixed together. It is designed for use when abutting dissimilar flooring materials, such as jointing brick, tile or monolithic floors to concrete or metal. REZKLAD E-JOINT SEALANT is designed for use in heavy traffic areas. The cured material exhibits excellent impact resistance and adhesion to steel, aluminum, glass ceramics, concrete and wood. REZKLAD E-JOINT SEALANT is resistant to mild acids, alkalis, corrosive salts, alcohols and aliphatic hydrocarbons. REZKLAD E-JOINT SEALANT is certifiable for use in USDA inspected facilities.

REZKLAD E-JOINT SEALANT LT is formulated for applications when the substrate and ambient temperatures are between 35°F (2°C) and 65°F (18°C).

AVAILABLE COLORS

Standard colors are black, gray and red.

PACKAGING - REZKLAD E-JOINT SEALANT

13 lb. 2 oz. (6.0 kg.) Unit Consisting of:

One - 1-Gal. can Resin (7 lb. 8 oz. [3.4 kg.])

One - 1-Gal. can Hardener (5 lb. 10 oz [2.6 kg.]

REZKLAD E-JOINT SEALANT LT

13 lb. 2 oz. (6.0 kg.) Unit Consisting of:

One - 1-Gal. can Resin (7 lb. 8 oz. [3.4 kg.])

One - 1-Gal. can Hardener (5 lb. 10 oz. [2.6 kg.]

SURFACE PREPARATION

Abrasive grit blasting is recommended for preparing concrete and metal surfaces. The substrate must be structurally sound, clean and dry.

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

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE	
		E-Joint Sealant	E-Joint Sealant LT
Density	ASTM C905	88.0 lb./cu. ft. (1.41 g./cc.)	88.0 lb./cu. ft. (1.41 g./cc.)
Tensile Strength, 7 days @ 77°F (25°C)	ASTM D412	380 psi. (2.62 MPa)	400 psi. (2.76 MPa)
Tensile Elongation 7 days @ 77°F (25°C)	ASTM D412	50%	65%
Hardness, Shore D-2	ASTM D2240	38-42	26-35
Hardness, Shore A	ASTM D2240	73	68

MIXING AND APPLICATION

REZKLAD E-JOINT SEALANT

Make sure that the temperature of the materials is 65°F (18°C) or warmer before mixing. Combine 1/2 the contents of the 7 lb. 8 oz (3.4 kg) can of REZKLAD E-JOINT SEALANT Resin and 1/2 the contents of the 5 lb. 10 oz. (2.6 kg) can of REZKLAD E-JOINT SEALANT Hardener in a suitable mixing container. Mix for approximately two minutes using a hand drill (300 to 500 RPM) equipped with a "Jiffy" mixer or Indco, Inc. General Purpose mixer, Cat. No. GPM342. Be sure that joints into which this mixture is poured are clean and dry. Pour into place. This mixture will remain workable for approximately 20 minutes at 77°F (25°C) and will withstand foot traffic after four hours. Do not expose to chemical service for seven days.

REZKLAD E-JOINT SEALANT LT

Make sure that the temperature of the materials is 65°F (18°C) or warmer before mixing. Combine 1/2 the contents of the 7 lb. 8 oz. (3.4 kg.) can of REZKLAD E-JOINT SEALANT Resin and 1/2 the contents of the 5 lb. 10 oz. (2.6 kg.) can of REZKLAD E-JOINT SEALANT LT Hardener in a suitable mixing container. Mix for approximately two minutes using a

ESTIMATING OF THE REZKLAD[®] E-JOINT SEALANT & REZKLAD[®] E-JOINT SEALANT LT*

Joint Width	REZKLAD E-JOINT SEALANT				REZKLAD E-JOINT SEALANT LT			
	Linear Feet per Unit Joint Depth				Linear Feet per Unit Joint Depth			
	1/4"	3/8"	1/2"	3/4"	1/4"	3/8"	1/2"	3/4"
1/4"	335 ft.	225 ft.	170 ft.	110 ft.	335 ft.	225 ft.	170 ft.	110 ft.
3/8"	225 ft.	150 ft.	110 ft.	75 ft.	225 ft.	150 ft.	110 ft.	75 ft.
1/2"	170 ft.	110 ft.	85 ft.	55 ft.	170 ft.	110 ft.	85 ft.	55 ft.
3/4"	110 ft.	75 ft.	55 ft.	35 ft.	110 ft.	75 ft.	55 ft.	35 ft.

* A joint width to joint depth ratio of 2 to 1 is recommended.

hand drill (300 to 500 RPM) equipped with a "Jiffy" mixer or Indco, Inc. General Purpose mixer, Cat. No. GPM342. Be sure that joints into which this mixture is poured are clean and dry. Pour into place. This mixture will remain workable for approximately 20 minutes at 45°F (7°C) and will withstand foot traffic after four hours at 35°F to 65°F (2°C to 18°C). Do not expose to chemical service for seven days.

JOINT DESIGN

Consult ATLAS' Engineering Department for design assistance as required. Location of joints, appropriate backup materials and number of joints vary from job to job depending on size of area and conditions to which the installation will be subjected.

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 system shall be REZKLAD E-JOINT SEALANT as manufactured by Atlas Minerals & Chemicals, Inc.

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-JOINT SEALANT (3-64PI)

Acetic Acid, to 5%	G	Ethylene Dichloride	N	Mustard	G	Tea	E
Acetic Acid, 5% to 10%	F	Ethylene Glycol	G	Nickel Chloride, Nitrate, Sulfate	E	Toluene	F
Acetic Acid, 10% to 50%	C	Fatty Acids	C	Nitric Acid, to 5%	F	Toluene Sulfonic Acid	F
Acetone	C	Ferric Chloride, Nitrate, Sulfate	G	Nitric Acid, 5% to 10%	C	Tomato Juice	G
Alum or Aluminum Sulfate	E	Fluosilicic Acid	C	Oleic Acid	C	Trichloroethylene	C
Ammonium Chloride, Nitrate, Sulfate	E	Formaldehyde	E	Olive Oil	C	Trisodium Phosphate	E
Ammonium Hydroxide, to 10%	E	Formic Acid, 10%	F	Oxalic Acid	G	Tung Oil	F
Ammonium Hydroxide, 10% to 30%	G	Fruit Extracts	F	Pectin	E	Turpentine	G
Aniline	N	Fruit Juices	F	Perchloroethylene	C	Urea	E
Animal Oils	C	Gasoline	E	Petroleum	E	Urine	G
Bakery Products	G	Glucose	F	Phenol, to 5%	C	Vegetable Oil	C
Barium Chloride, Sulfate	E	Glycerine	G	Phosphoric Acid, to 25%	G	Vinegar	E
Beer	E	Grape Juice	F	Phosphoric Acid, 25% to 50%	F	Water, Distilled	E
Benzene	C	Horse Radish	E	Phosphoric Acid, above 50%	C	Water, Fresh	E
Benzene Sulfonic Acid, 10%	G	Hydrobromic Acid, to 20%	G	Pickles	E	Water and Sewage	G
Benzoic Acid	G	Hydrochloric Acid, to 20%	G	Picric Acid, to 5%	G	Wine	G
Black Liquor	E	Hydrochloric Acid, 20% to 37%	F	Potassium Bicarbonate, Carbonate	E	Xylene	F
Boric Acid	E	Hydrofluoric Acid, to 20%	C	Potassium Chloride, Nitrate, Sulfate	E	Yeast	E
Bromine Water	C	Hydrofluoric Acid, 20% to 70%	N	Potassium Hydroxide, to 25%	E	Zinc Chloride, Nitrate, Sulfate	E
Butter	C	Hydrofluosilicic Acid	C	Potassium Hydroxide, 25% to 50%	F	(10-07)	
Butyl Acetate	C	Hydrogen Peroxide	G	Salad Oils	C	KEY	
Butyl Alcohol	C	Hypochlorous Acid, to 5%	F	Salicylic Acid	G	E - Excellent	
Butyric Acid	C	Ice Cream	E	Shortening	C	G - Good	
Calcium Chloride, Nitrate, Sulfate	E	Jams & Jellies	F	Silver Nitrate	G	F - Fair	
Calcium Hydroxide	E	Jet Fuel	E	Skydrol	G	N - Not Recommended	
Calcium Hypochlorite	F	Kerosene	E	Smokehouse Residues	F	C - Conditional; May be serviceable if the	
Carbonated Water	E	Ketchup	G	Sodium Bicarbonate, Carbonate	E	contaminant is immediately removed or	
Casein	G	Lactic Acid, to 5%	G	Sodium Bisulfate, Sulfate	E	washed off the surface.	
Cheese, all	G	Lactic Acid, 5% to 10%	F	Sodium Chloride, Nitrate, Phosphate	E	Note - The information presented in the	
Chlorine, Dry	F	Lactic Acid, above 10%	C	Sodium Hydroxide, to 25%	E	chemical resistance tables is based on	
Chlorine, Wet	F	Lard	C	Sodium Hydroxide, 25% to 50%	F	judgements derived from laboratory testing and	
Chlorine Water	E	Linseed Oil	F	Sodium Hypochlorite	F	field service performance. The tables have	
Chloroacetic Acid, to 10%	C	Lux Liquid	E	Sodium Sulfide, Sulfite	G	been prepared as a guide to performance. No	
Chloroform	N	Magnesium Chloride, Nitrate, Sulfate	E	Sodium Thiosulfate	E	guarantee of results is made or implied and no	
Chromic Acid, to 5%	F	Magnesium Hydroxide	E	Soft Drink Concentrates	C	liability in connection with this information is	
Chromic Acid, 5% to 10%	C	Maleic Acid, 25%	C	Soft Drinks	G	assumed. In actual service, floors and walls	
Cider	F	Malt	G	Soups	E	protected with REZKLAD E-JOINT SEALANT	
Citric Acid, to 10%	G	Malt Liquors	G	Soya Oil	C	are subjected to splash and spillage, as well as	
Citrus Fruits	G	Margarine	C	Stearic Acid	G	dilution effects of wash water, mixing with other	
Coffee	E	Methyl Alcohol	G	Sugar, Saturated Solution	F	solutions, wetting and drying cycles,	
Copper Chloride, Nitrate, Sulfate	E	Methyl Ethyl Ketone	N	Sulfuric Acid, to 20%	G	temperature cycling and cleaning procedures.	
Corn Oil	G	Methylene Chloride	N	Sulfuric Acid, 20% to 50%	F	For immersion service, contact ATLAS for	
Corn Syrup	G	Milk	E	Sulfuric Acid, above 50%	C	recommendation. The information presented	
Egg Yolk	E	Mineral Oil	E	Sulfurous Acid	G	herein should be supplemented by in-service	
Ethyl Acetate	C	Mineral Spirits	E	Syrup	C	testing. The data furnished in the tables may	
Ethyl Alcohol	G	Molasses	F	Tannic Acid	G	be revised on the basis of further testing.	
Ethyl Ether	F	Muriatic Acid	F	Tartaric Acid	G		