



## AS-420 ATLAS® “PLATELOCK” EPOXY SEALANT

### DESCRIPTION

ATLAS AS-420 is a fast-setting liquid, epoxy sealant, generally used to adhere the elements to the bottom of the container. AS-420 is supplied as a two-component, System A (Hardener) and B (Resin). The sealant is mixed in equal portions by volume and applied using standard dispensing equipment.

### CURE UNDER ACID

Blended sealant will be capable of cure when immersed in a 1.300 sp. gr. sulfuric acid immediately following application to battery parts. The surface of the bond line may show slight softening but the bulk of adhesive will cure and bond sufficiently to cause rupture of the battery rather than to bond line on destructive tests.

### PACKAGING AND COVERAGE

#### Unit consisting of:

One - 5 Gal. (49 lb. [22.2 kg.]) pail Component A  
One - 5 Gal. (48 lb. 8 oz. [22.0 kg.]) pail Component B  
Volume coverage approx. 2,250 cubic inches

#### Unit consisting of:

One - 55 Gal. (490 lb. [222 kg.]) drum Component A  
One - 55 Gal. (485 lb. [220 kg.]) drum Component B  
Volume coverage approx. 22,500 cubic inches

### MIXING AND APPLICATION

ATLAS AS-420 is designed for use at mix ratios of one part Component A to one part Component B, by volume. If mixed by weight, mix ratio is 1.02 parts Component A to one part Component B.

### CLEANING OF EQUIPMENT

Steel wool, soap and warm water will remove ATLAS AS-420 materials from equipment if cleaning is done immediately after use. Solvents, such as methyl ethyl ketone, toluene and xylene will have to be used after the material has begun to harden. Hardened material will have to be removed by mechanical means. Dispose of residue and solvent waste in accordance with the directions in the Material Safety Data Sheets and government regulations.

### STORAGE LIFE

One (1) year in dry storage in unopened original

### PHYSICAL PROPERTIES

PROPERTY	COMPONENT A	COMPONENT B
Viscosity @ 77°F (25°C), Brookfield RVF (Spindle # / Speed)	4,000-8,000 cps. (5 / 4 RPM)	24,000-30,000 cps. (5 / 4 RPM)
Weight / Gallon	9.6 lb.	9.5 lb.
Color	Black	Translucent

### MIXED COMPONENT PROPERTIES

Gel Time, 80 g. Sample 77°F (25°C) 110°F (43°C)	Approx. 20 min. Approx. 15 min.
Acid Absorption, 7 Days in 40% H <sub>2</sub> SO <sub>4</sub> @ 150°F (66°C)--Specimen Cured for 24 hrs. @ R.T. + 2 hrs. @ 150°F (66°C)	5% maximum
Specific Gravity	1.20
Impact Resistance, 1/8" Thick x 2-1/2" dia., Unbonded Specimen	4 in-lb. in 12 hrs. 56 in-lb. in 7 days
Color	Black

containers and under temperature controlled conditions. The ideal storage temperature is 68°F (20°C). DO NOT store in direct sunlight. Always store in a well ventilated area.

### PRECAUTIONS

The materials described herein 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 before using.

### TECHNICAL SERVICE

ATLAS maintains a staff of Technical Service Representatives who are available to assist you with the use of ATLAS products. In the event of any difficulties with the use of ATLAS materials, the job 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.**