



AS-402 ATLAS® RAPID CURE BATTERY COVER SEALANT

DESCRIPTION

ATLAS AS-402 is a two-component fast-setting liquid epoxy sealant for use in assembling covers and cases in automotive battery production. AS-402 has a one-to-one mix ratio by volume, which enables use of standard automated dispensing equipment. This convenient ratio also permits hand mixing and dispensing. The application of heat for a short period of time accelerates the cure of the sealant to permit rapid handling and continuation of the production line.

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 Comp. A
One - 5 Gal. (47 lb. 8 oz. [21.5 kg.]) pail Comp. B.
Volume coverage approx. 2,200 cubic inches

Unit consisting of:

One - 55 Gal. (490 lb. [222 kg.]) open head (OH) drum Component A
One - 55 Gal. (475 lb. [215 kg.]) open head (OH) drum Component B
Volume coverage approx. 22,000 cubic inches

Unit consisting of:

One - 55 Gal. (490 lb. [222 kg.]) closed head (CH) drum Component A
One - 55 Gal. (475 lb. [215 kg.]) closed head (CH) drum Component B
Volume coverage approx. 22,000 cubic inches

MIXING AND APPLICATION

AS-402 is designed for use at mix ratios of one part Component A to one part Component B, by volume.

CLEANING OF EQUIPMENT

Steel wool, soap and warm water will remove AS-402 materials from equipment if cleaning is done

PHYSICAL PROPERTIES

PROPERTY	COMPONENT A	COMPONENT B
Viscosity @ 77°F (25°C), Brookfield RVF (Spindle # / Speed)	4,000-8,000 cps. (5 / 4 RPM)	10,000-16,000 cps. (5 / 4 RPM)
Weight / Gallon	9.7 lb.	9.5 lb.
Color	Black	Clear

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 ₂ SO ₄ @ 150°F (66°C)--Specimen Cured for 24 hrs. @ R.T. + 2 hrs. @ 150°F (66°C)	5% maximum
Specific Gravity	1.20
Color	Black

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 year in dry storage in unopened, original 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 of any job 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.**