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# Product Data

## ASI Acrylic Adhesive

### DESCRIPTION

ASI Acrylic Adhesive is a single component, non-sag, siliconized acrylic sealant for use in most moving and non-moving joints. It has the following unique properties:

- 25-year exterior life expectancy
- Bonds to all common building materials
- Tack free in 30 minutes to 1 hour
- Will withstand  $\pm 12 \frac{1}{2}\%$  joint movement

### BASIC USES

- Most joints, interior and exterior
- Can be used primer less on most common building materials such as wood, concrete, metal, glass, stone, brick, stucco or marble.

### COMPOSITION AND MATERIALS

ASI Acrylic is based on a 100% acrylic emulsion. ASI Acrylic is further modified with special additives to optimize resistance to oxidation, UV degradation and cold temperature. Upon evaporation of water, a tough durable acrylic sealant with a 25-year life expectancy is formed.

### GRADE

Gun grade consistency

### PRIMERS

Not required on most building materials.

### PACKAGING

ASI Acrylic is supplied in (10.2 fl. oz.) cartridges, (5.5 fl. oz.) squeeze tubes, (5 gallon) pail, (55 gallon) drum.

### LIMITATIONS

- Do not apply below 40°F
- Do not apply where joint will be subject to heavy rainfall within 8 hours of application
- Do not use in joint subject to extended water immersion
- Do not use in traffic bearing surfaces.

### INSTALLATION

Joint Designs: Minimum recommended joint size is  $\frac{1}{4}$ " x  $\frac{1}{4}$ ". Maximum joint size should be  $\frac{1}{2}$ "

### SURFACE PREPARATION

Surface should be clean and dry. Do not use solvents to clean joints unless surface can dry thoroughly before application of sealant. Remove loose dust or dirt.

Contamination from curing agents and form releases should be avoided. Contact American Sealants Technical Service Department or representative.

### JOINT BACKING

Joint depth should not exceed  $\frac{1}{2}$ ". A foam backer rod is suggested to

control depth. Do not use bitumen impregnated backing material. In shallow joint a bond breaker tape should be installed to prevent three-point contact.

### APPLICATION AND TOOL

Apply with conventional caulking equipment, filling joints, completely. Upon application of Acrylic Adhesive the sealant bead will appear white (clear only). Depending on the atmospheric conditions condition the sealant bead will turn clear in about 7 days. For tooling ease, keep tools moist with soapy water.

### PAINTING

Paint with latex or oil base paint at least one hour after sealant in tack free.

### CLEANING

Remove Acrylic Adhesive from equipment before it dries. Wash with soap water.

### STORAGE LIFE

ASI Acrylic Adhesive, when stored in original, unopened container at or below 32°C (90°F), has a shelf life of 12 months from date of shipment from American Sealants, Inc.

### PRECAUTIONS

Keep from freezing. Do not take internally. Avoid eye contact. If swallowed, do not induce vomiting, but contact a physician immediately.

**TECHNICAL DATA**

<b>CHARACTERISTICS</b>	<b>RESULTS</b>	<b>TEST METHOD</b>
Viscosity	600,000 cps Rheometer	Spindle E, Brookfield DV III
Extrusion Rate	3.2 seconds	ASTM C603-90
Elongation	Over 1000%	Modified D412
Tensile	40 psi	Modified D412
Adhesion		
Glass	13.25 *P.L. I.	ASTM C794 (no watersoak)
Aluminum	20.00 *P.L. I.	ASTM C794 (no watersoak)
% Solids	62.50	Weight Solids
Time to Clear	36 hours	¼" beat at 76°F

\* Pounds per Linear Inch

**TYPICAL PROPERTIES**

% Non-Volatile, by weight.....	81%
% Volume Shrinkage: ASTM C-733-87.....	28%
Weight per gallon, approximate.....	13.5 lb./gal.
PH.....	8.0
Tack-Free Time: ASTM D-2377-84.....	<25 minutes
Weather Resistances: ASTM C-732-82.....	No washout, discoloration, loss of adhesion or cracking after 500 hours weathering
Peel Strength	
- Wood.....	27.0 pounds-force
-Glass.....	27.5 pounds-force
-Aluminum.....	30.0 pounds-force
Low Temperature Flexibility ASTM C-734-82.....	No cracking through to substrate or adhesion loss
Extrudability after Package Aging (freeze-thaw stability):	
ASTM C-731-87.....	16.1 grams/second
Volatile Organic Content (VOC-minus water).....	24 grams/liter

**WARRANTY AND LIMITATIONS**

ASI warrants that its products will meet its specifications. ASI shall in no event be liable for incidental or

consequential damages. Except as expressly stipulated, ASI's liability, expressed or implied, is limited to the stated selling price of any defective goods.

**MAINTENANCE**

No maintenance should be required. If the sealant is damaged, remove bead and reseal with Acrylic Adhesive.