



# American Sealants, Inc.

*"High Performance Silicones, Sealants, and Adhesives"*

## ASI Butyl Sealant

### PRODUCT DATA SHEET

OEM Industrial and Construction Product

#### Features:

- Excellent Flexibility and Strength
- Creates a Long Term, Reliable Seal
- Resistant to UV Degredation and Weathering
- Meets a Wide Variety of Building Standards
- Conforms to Federal Specification TT-S-01657
- Bonds to a Variety of Common Substrates
- Excellent Tensile Strength and Versatility

#### Additional Benefits:

- Excellent for Building Joints
- Easy to Dispense and Work With at a Variety of Extreme Temperatures
- Withstands a Wide Range of High Heat and Extreme Cold
- Paintable

#### Description:

ASI Butyl Sealant has been formulated to perform better than the average butyl by using synthetic fibers to allow more flexibility, better adhesion, and more versatility. ASI Butyl Sealant is designed mainly for metal building joints but it can also be used for wide variety of both construction and industrial applications because of its versatility and performance. ASI Butyl Sealant shows excellent resistant to weathering, shrinking, cracking, and other performance issues usually seen with butyl sealants. ASI Butyl Sealant conforms with the requirements of Federal Specification TT-S-01657. ASI Butyl is also paintable when using most industrial and commercial paints.

#### Common Applications:

ASI Butyl Sealant is an excellent sealant and/ or adhesive for many Commercial, Industrial, and Construction applications where a long-term, permanently flexible bond or seal is required. Such applications include:

- OEM Applications (depending on substrates)
- Metal Building Construction
- Joint Sealing in Metal Buildings
- General Sealing and Waterproofing
- General Construction
- Aluminum Siding and Metal Siding
- General Industrial Applications
- Metal Building and Portable Housing Applications
- Roofing Construction
- Gutter Sealant
- Industrial Applications
- Filling Cracks in Concrete or Other Porous Surfaces
- Etc. (Can be used for various applications depending upon substrate)

#### Common Bonding Substrates:

ASI Butyl Sealant can be used on a variety of substrates that are not listed below. Please inquire or test on those substrates. We have listed some common substrates for your viewing:

- Aluminum
- Ceramics
- Painted Surfaces
- Glass
- Granite
- Marble
- Metals
- Most Woods
- Most Plastics
- Porcelain
- PVC
- Porous Surfaces (Concrete, Brick, Etc.)
- Etc. (substrates may vary depending upon application)

**Directions:**

ASI Butyl Sealant is ready to use and requires no mixing or additives. Higher humidity accelerates cure. Tooling, if necessary, should be done before skinning takes place. In applications where partial or total confinement of sealant is prevalent, the time required for proper cure is generally lengthened by the degree of confinement.

**Surface Preparation:**

All surfaces should be clean and dry. If necessary bonding surfaces can be solvent wiped with naphthas, ketones or chlorinated solvents. Specific solvents would include xylol, toluol and mineral spirits. In case of plastics, determine suitability of solvent prior to use. Allow surface to dry thoroughly before applying sealant. Do not solvent wipe with alcohols or oil-containing solvents such as Varsol. Priming for ASI Butyl Sealant is not normally required for applications to nonporous surfaces. Unprimed adhesion can be easily tested by applying a small trial bead and allowing 7 days for maximum adhesion to occur. If primer is required, contact ASI.

**Listed Properties:**

Test Method	Test	Test Requirement	Test Results
TT-S-1657	Stability	12 months	Passes
TT-S-1657	Bubble Formation	Less than 25%	Passes
TT-S-1657	Tenacity	No adhesion loss	Passes
TT-S-1657	Shrinkage	Less than 25%	Passes
TT-S-1657	Slump	Less than 0.15	Passes
TT-S-1657	Extrudability	Less than 9 sec./ml	Passes
TT-S-1657	Stain	Less than 1.0 mm	Passes
TT-S-1657	Tack Free Time	24 hours	Passes
TT-S-1657	Adhesion Loss and cracking	Rating under 2	Passes

**Storage:**

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

**Colors:**

ASI Butyl Sealant colors are white, aluminum/grey and black. Other colors available upon request.

**Warranty Limitations:**

ASI warrants only 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.

**Packaging:**

ASI Butyl Sealant is supplied in:  
(10.2 fl. oz.) caulking cartridge,  
(40 lb.) pail and (429 lb.) drum.  
Special Packaging Available upon requests.

*Information on this data sheet can change without notice and it is therefore not recommended that these figures be used in spec writing. If you have any questions contact manufacturer.*

**Safety Precautions:**

Use with adequate ventilation. Inhalation of vapors during application and cure may cause slight eye or throat irritation. In case of contact with eyes, lips or mouth, flush thoroughly with water. If irritation persists, consult a physician. Avoid repeated, prolonged contact with skin. See MSDS for additional information. Keep out of reach of children.