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**American Sealants, Inc.**

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Manufacturing In Fort Wayne, Indiana Since 1987

HIGH PERFORMANCE  
**SEALANTS &  
ADHESIVES**

UNPARALLELED  
**SERVICE**  
QUALITY  
**DRIVEN**





# THE ASI<sup>®</sup> ADVANTAGE.

HIGH PERFORMANCE PRODUCTS. UNPARALLELED SERVICE. QUALITY DRIVEN.

**Located in Fort Wayne, Indiana, American Sealants has become a trusted manufacturer of sealants, adhesives and specialty chemicals since 1987.**

We have built a successful company in a crowded market by having a team of good people who care about the performance of our products and the happiness of our customers. We understand the importance of being responsive and developing a partnership with our customers to help them achieve their goals.

We are focused on manufacturing products that continue to perform in the toughest applications and environments. We have a commitment to quality that starts with formulation development and continues into compounding, packaging and shipping.

## APPLICATIONS & INDUSTRIES SERVED

ASI<sup>®</sup> products are widely used and recognized in the construction, industrial manufacturing, transportation, electronics, automotive, telecommunications and other specialty industries.

Due to the performance and nature of our products, they are used for a wide variety of applications.

- Product Assembly & Manufacturing
- Window & Door Manufacturing & Installation
- Sealing & Bonding Construction Applications
- Trailer & RV Manufacturing
- HVAC Applications
- Waterproofing
- Automotive Gasketing
- Aquarium Manufacturing & Repair
- Roofing

## INNOVATING NEW TECHNOLOGIES

Our product development team is continually working with the newest technologies to provide new and unique solutions for our customers' applications. We not only want to improve product performance but also user safety and experience.

Using the most advanced polymer technology available today we are formulating our hybrid polyether sealants, adhesives and coatings to set the bench mark for user safety and performance.



Learn more and see full **Hybrid** product line on Page 3

American Sealants Inc. has built a reputation based on the knowledge and experience we have to offer customers of all sizes. We have a dedicated staff who understands a customer's supply chain needs and the importance of quality. With industry leading innovative equipment and a dedicated, experienced workforce, we can fulfill your business needs.

# PRODUCTS & SERVICES

We have the capability to produce mass volume for large users as well custom batches for applications that may require something beyond our standard product offering.

**TECHNOLOGIES INCLUDE:** Neutral Cure Silicones • Acetoxy Cure Silicones  
Specialty Silicones • Hybrid Polyethers • Siliconized Acrylic Latex • Butyl Sealant  
Silicone Greases • Heat Sink Compounds • STPe

**PACKAGES INCLUDE:** Laminate Squeeze Tubes, Caulking Cartridges, Sausage Packs, Quart Caulking Cartridges, Plastic Squeeze Tubes, Metal Squeeze Tubes, Laminate Pouches, Pails, Drums, Semcos, Syringes, Jars & Pressurized Piston Cans.



## Custom Formulating & Color Match

ASI has the capabilities to custom formulate and custom color match per your application requirement.

- Experienced Technical Staff for Developing Products
- Quality Process Checks Colors Throughout the Job on Every Shipment
- Ability to Accurately Match Solid and Mixed Color Patterns
- Ability to Package into Any of Our Packaging Options
- Flexible Minimums and Service



## Contract Packaging & Toll Manufacturing

ASI can be an extension of your business and manufacturer and/or package your product to offer a turn key solution. We have the equipment and experience to toll mix a wide variety of products and chemistries. You can also send us your product and we can package it into one of the many packages we offer with your branding.

- Capability to Mix a Wide Variety of Products & Chemistries
- Large Volume Batch Manufacturing Available
- Industry Leader In Packaging Options & Technology
- Low & Flexible Minimums
- High Speed Packaging For Large Volume
- Detailed Quality Control Processes



## Private Label Any ASI® Product

ASI has 30+ years of experience private labeling for both large & small companies going into retail box stores as well as automotive, industrial & construction companies wanting to grow their brand's sales. We can help you find the right product and packaging for your application and create a private label product you are proud of.

- Large Volume Capabilities
- Low & Flexible Minimums
- Industry Leader in Packaging Options & Technology
- Application Advice & Support
- Diverse Product Options, Custom Formulations & Colors Available





# ASI'S INNOVATIVE HYBRID PRODUCTS

ASI's innovative hybrid sealants and adhesives are made using one of the most advanced, high performance polymer technologies available in sealants today.

Using this silyl-terminated polyether technology we have formulated products made to outperform conventional technologies as well as other hybrid polyether products seen in the market. Our team has been able to increase user safety by eliminating solvents, isocyanates and large amounts of VOC's. Our hybrid polyether products are 100% solids, UV and weathering resistant, easy to dispense and tool, capable of exterior use in extreme climates, paintable, extremely low odor, VOC compliant and california proposition 65 compliant.



## HYBRID PRODUCT LINE

**ASI 5900 • ASI 55 • ASI 57  
ASI 53JM**

### X DISADVANTAGES OF POLYURETHANES

- Long Skin & Cure Time
- Water/Moisture Before Cure Causes Bubbling & Outgassing
- Health Risk, Contains Isocyanates
- Can Be Difficult to Tool & Use
- Lack of Adhesion To Some Substrates

### X DISADVANTAGES OF SILICONES

- Not Paintable
- Must Cure Before Water Contact
- Acetoxy Silicone, High Odor
- Limited Use As an Adhesive

### X DISADVANTAGES OF SOLVENT BASED SEALANTS

- Health Risk, High VOC Content
- Product Shrinks When Solvent Flashes Off
- Low Elongation & Movement Capabilities
- Hard to Tool When Cold, Runs When Hot
- Packaging Constraints Due to Solvent
- Weatherability Can Vary

### X DISADVANTAGES OF ACRYLICS

- Washes Off With Rain
- De-bonds From Ponding Water
- Shrinking Due to Water Loss
- Slow Strength Build Up
- Freezing Constraints
- Low Physical Properties
- Exterior Use Constraints

# ASI® GENERAL RTV SILICONE PROPERTIES

ASI's RTV Silicones have over 30 years of proven performance in a variety of demanding industries. We can help you find the right product for your application.

All RTV silicones are not the same. ASI RTV Silicones are made to perform and have general attributes that overall make them great sealants and adhesives. However, we use two different chemistries of RTV silicones because there are benefits to each that make them better fits for certain applications depending on your requirements. We then use different formulas of each chemistry to define certain needs even further. This broad product line allows us to have the right products for your needs and our experienced staff is always here to help make that product selection.

## Which Silicone Chemistry Is Right For You?

### PROS



### Characteristics of ALL ASI® RTV Silicone Products

- Flexible at Various Temperatures
- Good Chemical Resistance
- Wide Operating Temperature Range
- Weather Resistance
- Excellent Movement Capacity
- Solvent Free, Isocyanate Free
- Resistant to Humidity & Water
- Excellent For Use As A Sealant, Adhesive, Coating, Encapsulating & Waterproofing
- Excellent Life Span (40+ years)
- High Degree of Elongation
- Easy to Dispense When Cold
- Excellent Shelf-Life Storage
- VOC Compliant
- Outstanding Thermal Stability
- Broad Adhesion Range
- Excellent UV Stability
- Easy To Use & Tool
- One Part, Room Temperature Vulcanizing

### CONS



- Not Paintable (For applications that need painted see our **Hybrid Products**)

## Neutral Cure Silicone (Oxime)

- + Low Odor
- + Broader Adhesion Range
- + Adhesion to Concrete
- + Non-Corrosive to Most Metals
- + Resistant to Oils & Some Chemicals
- Not Food Grade

### Primary Concern

- ← Adhesion Range
- ← Odor
- ← Tack Free Time
- ← Adhesion To Concrete
- ← Food Grade
- ← Metal Corrosion

## Acetoxy Cure Silicone

- + Bonds to Common Substrates
- + Food Grade Available
- + Faster Tack Free Time
- + Resistant to High Temperatures
- Vinegar Odor Released
- Corrosive to Sensitive Metals When Confined
- Not Suggested for Long-Term Adhesion to Concrete
- Less Extensive Adhesion Range



**ASI 335 Neutral Cure Silicone**  
Advanced Adhesion  
Broad Application Use



**ASI 335 Window Sealant**  
AAMA Approved  
Use in Manufacturing or Installation



**ASI 502 100% Silicone**  
Mold & Mildew Resistant  
NSF Approved, Food Grade,  
UL Recognized Sealant



**ASI 504 Multi-Purpose Silicone**  
Bonds to Common Substrates,  
General Applications



**ASI 306 Flowable Electronic Grade Silicone**  
Use on Electronics or a Self-Leveling Joint Sealant



**ASI 388 Electronic Grade Silicone**  
UL Recognized, Use for Encapsulating, Bonding, Etc.



**ASI 600 High-Temp Silicone**  
Resists Intermittent Temperatures up to 600°F



**ASI 505 Self-Leveling Silicone**  
Fast Skinning Self-Leveling Joint Sealant



**ASI Aquarium Sealant**  
High Tensile Strength,  
Aquatic Life Safe Silicone

Additional neutral cure silicones sub types: Alkoxy & Methoxy . Acetone silicone also available. Advantages and disadvantages are seen with each. ASI does supply these products as well as specialty products needed per application. What is listed is just a "standard offering" and not representative of the hundreds of products we offer.

# ASI® PRODUCT LINE STANDARD STOCK

ASI stocks standard packages and colors across the entire product line.

The below chart shows the standard offerings for each product that ASI always has in stock. However, we can easily produce any combination of listed typical colors & packagings for every product. Further, we encourage our customers to reach out to our team for unlisted needs because we are able to accommodate most requests.



SILICONE PRODUCTS



HYBRID PRODUCTS



OTHER FORMULATIONS

### ASI 502

100% RTV Silicone



Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
WH, CL, GR, BR, BK, AM, AD, TW

Product Page **8**

More ASI 502 Packages

Package
10.2 oz. Caulking Cartridges
Case Volume
12 Per Case
Stock Colors
TBL, TBE, TGN, TR, TEA, TCH, TGR
Package
2.8 oz. Squeeze Tube
Case Volume
24 Per Case
Stock Colors
CL, WH, BK
Package
.5 oz. Squeeze Tube
Case Volume
144 Per Case
Stock Colors
CL

### ASI 335WS

Window & Door Sealant



Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
WH, CL, FW, CA, BR, RT, TE, FG, BE, RR, CB, RS, BK

Product Page **9**

### ASI 335

Neutral Cure RTV Silicone



Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
WH, CL, BK, AM

Product Page **10**

More ASI 335 Packages

Package
20 oz. Sausage Pack
Case Volume
12 Per Case
Stock Colors
CL

### ASI 5900

Fast Grab Hybrid Adhesive



Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
NW

Product Page **20**

More ASI 5900 Packages

Package
20 oz. Sausage Pack
Case Volume
12 Per Case
Stock Colors
NW

### ASI 55

Hybrid Sealant & Adhesive



Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
WH, BK, GR, CA, BR, RT, FG, RR, CB, FW, RS

Product Page **19**

### ASI 57

Hybrid Performance Sealant




Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
WH, BK, GR

Product Page **18**

### ASI COMPOUND 70

Silicone Grease



Package
5 oz. Squeeze Tubes
Case Volume
24 Per Case
Stock Colors
CL

Product Page **21**

More ASI Compound 70 Packages

Package
2.8 oz. Squeeze Tube
Case Volume
24 Per Case
Stock Colors
CL

### ASI 12SK

Butyl Sealant



Package
10.2 oz. Caulking Cartridges
Case Volume
30 Per Case
Stock Colors
WH, GR

Product Page **22**

### ASI 174

Siliconized Acrylic Latex



Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
WH, CL

Product Page **23**

### ASI 0240

Tooling Aid/Adhesive Remover



Package
14 oz. Aerosol Can
Case Volume
12 Per Case
Stock Colors
N/A

Product Page **24**

# TYPICAL COLORS

## OPAQUE PIGMENTS

<b>BK</b> Black	<b>GR</b> Grey	<b>AM</b> Aluminum	<b>BR</b> Bronze	<b>AD</b> Almond	<b>RE</b> Red	<b>CB</b> Cocoa Bean	<b>RT</b> Renewal Terratone	<b>BE</b> Beige
<b>RS</b> Renewal Sandstone	<b>FG</b> Forest Green	<b>RR</b> Red Rock	<b>CA</b> Canvas	<b>TE</b> Terratone				

### Don't See What You Need?

*Just Ask!*  
We can custom color match or color per request.

## WHITES

<b>WH</b> White
<b>FW</b> Flat White
<b>NW</b> Natural White

## TRANSPARENTS

<b>TBL</b> Trans Blue	<b>TCH</b> Trans Charcoal	<b>TBE</b> Trans Beige
<b>TGN</b> Trans Green	<b>TGR</b> Trans Gray	<b>TEA</b> Trans Earth
<b>TR</b> Trans Rose	<b>TW</b> Trans White	<b>CL</b> Clear

*\*Colors shown are an approximation. Actual product color may vary. Samples are available by request.*

### ASI 504

Multi-Purpose RTV Silicone



Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
WH, CL, BK, AM

Product Page **11**

### ASI 600

Hi-Temp Resistant RTV Silicone



Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
RE

Product Page **12**

#### More ASI 600 Packages

Package
2.8 oz. Squeeze Tube
Case Volume
24 Per Case
Stock Colors
RE

### ASI 388

Electronic Grade Silicone



Package
10.2 oz. Caulking Cartridges
Case Volume
12 Per Case
Stock Colors
CL, WH, BK

Product Page **13**

#### More ASI 388 Packages

Package
2.8 oz. Squeeze Tube
Case Volume
24 Per Case
Stock Colors
CL

### ASI 53JM

Structural Hybrid Sealant



Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
WH, GR

Product Page **17**

### ASI 505

Self-Leveling RTV Silicone



Package
10.2 oz. Caulking Cartridges
Case Volume
12 Per Case
Stock Colors
CL

Product Page **16**

### ASI AQUARIUM SEALANT

High Strength RTV Silicone



Package
10.2 oz. Caulking Cartridges
Case Volume
24 Per Case
Stock Colors
CL, BK

Product Page **15**

### ASI 306

Electronic Grade SL Silicone



Package
10.2 oz. Caulking Cartridges
Case Volume
12 Per Case
Stock Colors
WH, CL, BK

Product Page **14**

# TYPICAL PACKAGES



Pails



Semco



Cartridges



Squeeze Tubes



Sausages



Drums



Syringes



Jars

Don't see a product you need in a package you want? Just ask for the product in any of these typical packages.

# PRODUCT INFORMATION

# ASI 502

## 100% RTV Silicone

### Description

ASI 502 100% RTV Silicone is a one-component, moisture cure, acetoxy silicone that cures to form an extremely durable rubber that can withstand a variety of extreme environments.

Unlike many organic sealants, ASI 502 is extremely resistant to degradation, weathering, extreme temperatures and mold and mildew. ASI 502 meets the requirements of NSF Standard 51 and FDA Regulation No. 21 CFR 177.2600 for food grade applications. ASI 502 100% RTV Silicone can be applied to both vertical and overhead joints without sagging and is easy to extrude at both hot and cold temperatures. It will adhere to most common building materials.



### Common Applications

- Walk-In Freezer Manufacturing & Installation
- RV & Trailer Manufacturing
- Countertop Installation & Sealing
- Formed-In-Place Gasket Applications
- Bathroom Installation & Sealing
- Industrial Manufacturing Applications
- HVAC Applications
- Fireplace Manufacturing & Sheet Metal Work & Sealing
- Marine Applications
- General Sealing & Bonding

### Common Substrates

- Glass
- Granite
- Marble
- Most Fiberglass
- Most Wood Types
- Aluminum
- Ceramic
- Natural & Synthetic Fiber
- Most Painted Surfaces
- Some Plastics

\*For a complete list of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	902,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	10 minutes (70°F, 50% RH)
Density	ASTM D1475	8.4 lbs./gal
Hardness	ASTM C661	25 (Shore A)
Extrusion Rate	ASI Test Method	365 g/min
Tensile Strength	ASTM D412	264 psi
Elongation at Break	ASTM D412	500%
Application Temperature	ASI Test Method	-35°F to 150°F
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-50°F to 400°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 502 suggested application temperature range: -35°F to 150°F. ASI 502 can be used at temperatures higher than 400°F for intermittent periods. Testing should be done to confirm temperature requirements are met.

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's sales and technical service department.

## Features

### 100% Acetoxy RTV Silicone

- ✓ Mold & Mildew Resistant
- ✓ Resistant to UV Degradation & Weathering
- ✓ Withstands Extreme Cold & Extreme Heat
- ✓ 25% Joint Movement Capability
- ✓ One-Component, Easy To Use Formulation
- ✓ Easy to Extrude At Cold Temperatures
- ✓ Non-Slump, Can Use On Overhead & Vertical Applications
- ✓ Excellent For Indoor & Outdoor Applications
- ✓ Creates A Waterproof Seal

### Conforms/Meets/Exceeds

- ASTM C920 Class 25, Type S, Grade NS, Use NT, G, O
- TT-S-01543A
- TT-S-00230-C
- MIL-A-46106A
- NSF Standard 51
- FDA Regulation No. 21 CFR 177.2600
- UL Recognized
- VOC Compliant (23 grams/liter ASTM D2369)





# PRODUCT INFORMATION

# ASI 335 Window & Door Sealant

## Description

ASI 335 Window & Door Sealant is a single component, non-slump, moisture curing neutral cure oxime silicone that cures to form a tough, non-corrosive, flexible rubber with outstanding resistance to weather & UV degradation.

ASI 335 Window & Door Sealant offers excellent adhesion without primer to vinyl, glass, aluminum, brick and a variety of other substrates (see list on back of TDS). It will not shrink, crack or pull away from substrates during curing because it is 100% silicone with outstanding physical properties including 35% joint movement. ASI 335 Window & Door Sealant will be easy & consistent to dispense over a wide range of temperatures because it does not contain any solvents or water.



## Common Applications

- Window Manufacturing & Assembly
- Window Installation
- Metal Roofing Installation
- Door Installation, Manufacturing & Assembly
- Sliding Installation & Sealing
- Portable Housing & RV Applications
- Glass Glazing
- Construction Applications

## Common Substrates

- Glass
- Concrete, Brick, Mortar (Porous Substances)
- Vinyl
- Most Metals (Including Uncoated)
- Most Wood Types, Cement Board & Fiber Board
- Aluminum
- Ceramic
- Most Fiberglass
- Most Painted Surfaces

\*For a complete list of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	1,100,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	20 minutes (70°F, 50% RH)
Density	ASTM D1475	8.5 lbs./gal
Hardness	ASTM C661	23 (Shore A)
Modulus 100%	ASTM D412	0.37 MPa
Tensile Strength	ASTM D412	260 psi
Elongation at Break	ASTM D412	560%
Application Temperature	ASI Test Method	-35°F to 150°F
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-70°F to 400°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 335WS suggested application temperature range: -35°F to 150°F. ASI 335WS can be used at temperatures higher than 400°F for intermittent periods. Testing should be done to confirm temperature requirements are met.

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's sales and technical service department.

## Features

### Neutral Cure Oxime Silicone

- ✓ Advanced Adhesion Properties To Construction Substrates
- ✓ Extremely Resistant to UV Degradation & Weathering
- ✓ Withstands Extreme Cold & Extreme Heat
- ✓ 35% Joint Movement Capability
- ✓ One-Component, Easy To Use Formulation
- ✓ Cures To Form An Extremely Durable Rubber
- ✓ Resists Extreme Temperatures & Chemicals
- ✓ Easy to Extrude At Cold Temperatures
- ✓ Mold & Mildew Resistant
- ✓ Non-Slump, Can Use On Overhead & Vertical Applications
- ✓ Excellent For Indoor & Outdoor Applications
- ✓ Creates A Waterproof Seal

## Conforms/Meets/Exceeds

- ASTM C920 Class 35, Type S, Grade NS, Use NT, G, A, O
- TT-S-01543A
- TT-S-00230-C
- VOC Compliant (21 grams/liter ASTM D2369)
- AAMA 802.3-10, Type II Back Bedding Glazing Compound
- AAMA 803.3-10, Spec For Narrow Joint Seam Sealers, Type 1
- AAMA 805.2-10, Spec For Back Bedding Glazing Compound, Group C



**MADE**  
IN ★ THE ★ USA

# PRODUCT INFORMATION

# ASI 335

## Neutral Cure RTV Silicone

### Description

ASI 335 Neutral Cure RTV Silicone is a one-part, non-slump, moisture cure sealant/adhesive that cures to form a tough rubber with long-term flexibility and durability.

Due to the formulation, ASI 335 offers advanced adhesion to a variety of surfaces including porous substrates, vinyl, some plastics, fiberglass, metals, woods and more. ASI 335 emits a low odor which makes it ideal for confined work spaces or occupied areas. It is extremely resistant to UV degradation, yellowing, temperature extremes and most chemicals. It is a 100% RTV Silicone and will remain easy to dispense and tool even at cold temperatures. ASI 335 has excellent physical properties and will continue to perform long-term in a variety of applications.



### Common Applications

- Walk-In Freezer Manufacturing & Installation
- RV & Trailer Manufacturing
- Vinyl, Metal & Aluminum Siding & Roofing
- Fiberglass Waterproof Sealing
- Industrial Manufacturing Applications
- Concrete Joint Sealing
- HVAC Applications
- Glass Block Installation
- Glass Glazing

### Common Substrates

- Glass
- Concrete, Brick, Mortar
- Marble & Granite
- Most Metals
- Some Plastics
- Most Wood Types
- Aluminum
- Ceramic
- Most Fiberglass
- Most Painted Surfaces
- Natural & Synthetic Fiber

\*For a complete list of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	1,096,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	20 minutes (70°F, 50% RH)
Density	ASTM D1475	8.5 lbs./gal
Hardness	ASTM C661	23 (Shore A)
Modulus 100%	ASTM D412	0.37 MPa
Tensile Strength	ASTM D412	260 psi
Elongation at Break	ASTM D412	560%
Application Temperature	ASI Test Method	-35°F to 150°F
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-50°F to 400°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 335 suggested application temperature range: -35°F to 150°F. ASI 335WS can be used at temperatures higher than 400°F for intermittent periods. Testing should be done to confirm temperature requirements are met.

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's sales and technical service department.

## Features

### Neutral Cure RTV Silicone

- ✓ Non-Corrosive
- ✓ Advanced Adhesion Properties
- ✓ Low Odor
- ✓ Resistant To UV Degradation & Weathering
- ✓ Resists Extreme Temperatures & Chemicals
- ✓ One-Component, Easy To Use Formulation
- ✓ 25% Joint Movement Capability
- ✓ Mold & Mildew Resistant
- ✓ Easy To Extrude At Cold Temperatures
- ✓ Non-Slump, Can Use On Overhead & Vertical Applications
- ✓ Excellent For Indoor & Outdoor Applications
- ✓ Creates A Waterproof Seal

### Conforms/Meets/Exceeds

- ASTM C920 Class 25, Type S, Grade NS, Use NT, G, O
- TT-S-01543A
- TT-S-00230-C
- VOC Compliant (21 grams/liter ASTM D2369)



**MADE**  
IN ★ THE ★ USA

# PRODUCT INFORMATION

# ASI 504

## Multi-Purpose RTV Silicone

### Description

ASI 504 Multi-Purpose Silicone can be used as both a sealant and adhesive for a variety of applications requiring a waterproof seal. It is a paste-like, one component acetoxy silicone that cures to form a durable solid rubber when exposed to moisture in the air.

ASI 504 will not sag or slump so it can be applied to both vertical and overhead substrates without sagging. It can be used on both interior or exterior applications because it has excellent resistance to weathering, UV degradation, yellowing, etc. ASI 504 will adhere to most metals, woods, porcelain, ceramic, fiberglass, glass, and a variety of substrates not listed.



### Common Applications

- Walk-In Freezer Manufacturing & Installation
- RV & Trailer Manufacturing
- General Purpose Sealing & Bonding
- Sealing Precast Concrete Forms
- Industrial Manufacturing Applications
- Bathroom Installation & Sealing
- HVAC Applications
- Fireplace Manufacturing
- Sheet Metal Work & Sealing

### Common Substrates

- Glass
- Metal
- Some Fiberglass
- Some Plastics
- Most Wood Types
- Aluminum
- Ceramic
- Most Painted Surfaces
- Natural & Synthetic Fiber

\*For a complete list of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	675,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	13 minutes (70°F, 50% RH)
Density	ASTM D1475	8 lbs./gal
Hardness	ASTM C661	21 (Shore A)
Extrusion Rate	ASI Test Method	632 g/min
Tensile Strength	ASTM D412	232 psi
Elongation at Break	ASTM D412	490%
Application Temperature	ASI Test Method	-35°F to 150°F
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-50°F to 400°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 504 suggested application temperature range: -35°F to 150°F. ASI 504 can be used at temperatures higher than 400°F for intermittent periods. Testing should be done to confirm temperature requirements are met.

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's sales and technical service department.

## Features

### Acetoxy RTV Silicone

- ✓ Mold & Mildew Resistant
- ✓ Resistant To UV Degradation & Weathering
- ✓ Withstands Extreme Cold & Extreme Heat
- ✓ One-Component, Easy To Use Formulation
- ✓ Adheres To Most Common Building Substrates
- ✓ Easy To Extrude At Cold Temperatures
- ✓ Non-Slump, Can Use On Overhead & Vertical Applications
- ✓ Excellent For Indoor & Outdoor Applications
- ✓ Creates A Waterproof Seal

### Conforms/Meets/Exceeds

- ASTM C920 Class 25, Type S, Grade NS, Use NT, G, O
- TT-S-01543A
- TT-S-00230-C
- MIL-A-46106A
- VOC Compliant (23 grams/liter ASTM D2369)



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# PRODUCT INFORMATION

# ASI 600

## Hi-Temp Resistant RTV Silicone



### Description

ASI 600 Hi-Temp Resistant RTV Silicone is a one-component, moisture cure, 100% RTV silicone that cures to form an extremely durable rubber that can withstand extreme heat while maintaining its physical properties.

Due to the formulation, ASI 600 can resist constant temperatures up to 500°F and intermittent temperatures up to 600°F. ASI 600 meets the requirements of FDA Regulation No. 21 CFR 177.2600 for food grade applications. ASI 600 Hi-Temp Resistant RTV Silicone can be applied to both vertical and overhead joints without sagging and is easy to extrude at both hot and cold temperatures. It will adhere to most common building materials (see list on back of TDS).

### Common Applications

- Industrial Ovens
- RV & Trailer Manufacturing
- Formed-In-Place Gasket Applications
- Industrial Manufacturing Applications
- High Temperature Gasketing Applications
- HVAC Applications
- Fireplace Manufacturing
- Appliance Manufacturing
- Sheet Metal Work & Sealing

### Common Substrates

- Glass
- Metal
- Granite
- Marble
- Most Fiberglass
- Most Wood Types
- Aluminum
- Ceramic
- Natural & Synthetic Fiber
- Most Painted Surfaces
- Some Plastics

## Features

### 100% Acetoxy RTV Silicone

- ✓ Resists Intermittent Temperatures Up To 600°F
- ✓ Resistant to UV Degradation & Weathering
- ✓ Withstands Extreme Cold & Extreme Heat
- ✓ 25% Joint Movement Capability
- ✓ One-Component, Easy To Use Formulation
- ✓ Easy to Extrude At Cold Temperatures
- ✓ Non-Slump, Can Use On Overhead & Vertical Applications
- ✓ Excellent For Indoor & Outdoor Applications
- ✓ Creates A Waterproof Seal

\*For a complete list of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	976,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	13 minutes (70°F, 50% RH)
Density	ASTM D1475	8.4 lbs./gal
Hardness	ASTM C661	25 (Shore A)
Extrusion Rate	ASI Test Method	362 g/min
Tensile Strength	ASTM D412	265 psi
Elongation at Break	ASTM D412	509%
Application Temperature	ASI Test Method	-35°F to 150°F
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-50°F to 500°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 600 suggested application temperature range: -35°F to 150°F. ASI 600 can be used at temperatures higher than 500°F for intermittent periods. Testing should be done to confirm temperature requirements are met.

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's sales and technical service department.

### Conforms/Meets/Exceeds

- ASTM C920 Class 25, Type S, Grade NS, Use NT, G, O
- TT-S-01543A
- TT-S-00230-C
- MIL-A-46106A
- FDA Regulation No. 21 CFR 177.2600
- VOC Compliant (23 grams/liter ASTM D2369)



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# PRODUCT INFORMATION

# ASI 388

## Electronic Grade RTV Silicone



### Description

ASI 388 Electronic Grade RTV Silicone is a one part, moisture cure sealant that cures to form a tough, durable, flexible rubber that is ideal for bonding, sealing, encapsulating and protecting electronic parts.

Once cured, ASI 388 will withstand a constant temperature range of -70°F to 400°F and will resist some chemicals depending on duration, contact and the type of chemical. ASI 388 bonds to a wide variety of substrates which makes it ideal for protection against moisture and other external variables. ASI 388 exhibits consistent electrical properties even when subjected to environmental changes in temperature, humidity, etc., which makes it a good insulator for electronic components.

### Common Applications

- Sealing Lead Wire Entries • Waterproofing Electronics • Component Mounting
- Adhesive Use Around Electronics • Sealing Electronic Assemblies

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	1,000,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	20 minutes (70°F, 50% RH)
Density	ASTM D1475	8.5 lbs./gal
Hardness	ASTM C661	30 (Shore A)
Modulus 100%	ASTM D412	0.37 MPa
Tensile Strength	ASTM D412	300 psi
Elongation at Break	ASTM D412	600%
Application Temperature	ASI Test Method	-35°F to 150°F
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-70°F to 400°F
Dielectric Strength	ASTM D149	500 (Volts/Mil)
Volume Resistivity	ASTM D257	3x10 <sup>15</sup>
Dielectric Constant 50Hz	ASTM D150	3
Dielectric Factor 50Hz	ASTM D150	5x10 <sup>-3</sup>
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 388 suggested application temperature range: -35°F to 150°F. ASI 388 can be used at temperatures higher than 400°F for intermittent periods. Testing should be done to confirm temperature requirements are met.

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's sales and technical service department.

## Features

### Neutral Cure Silicone

- ✓ Non-Corrosive, Electronic Grade
- ✓ Heat & Cold Resistant
- ✓ Excellent Electrical Properties
- ✓ Long-Lasting Durability
- ✓ Resistant To Some Chemicals
- ✓ Good Stress Relieving Properties
- ✓ Excellent For Bonding, Sealing, or Encapsulating
- ✓ Advanced Adhesion To Various Substrates

### Common Substrates

- Glass
- Most Metals
- Most Fiberglass
- Most Wood Types
- Aluminum
- Porous Surfaces
- Vinyl
- Rubber
- Natural & Synthetic Fiber
- Most Painted Surfaces
- Some Plastics

\*For a complete list of applications & substrates or more product information, please contact us.

### Conforms/Meets/Exceeds

- UL Recognized
- VOC Compliant (21 grams/liter ASTM D2369)



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# PRODUCT INFORMATION

# ASI 306

## Electronic Grade Self-Leveling Silicone

### Description

ASI 306 Electronic Grade Self-Leveling Silicone is a one component, RTV (room temperature vulcanizing) product that can be used for encapsulating, coating and sealing.

No acetic acid or other corrosive by-products are generated during its cure which allows the ASI 306 to be used around sensitive metals and electronics. ASI 306 cures at room temperature to form a tough, high-modulus rubber. ASI 306 has excellent unprimed adhesion to a very wide range of substrates including metals (i.e. chrome), glass, most woods, ceramics and various plastics. ASI 306 will resist weathering, moisture, vibration, ozone, ultra-violet and temperature extremes. It will also resist various chemicals and oils depending on the chemical and duration of the contact.



### Common Applications

- Encapsulating Electronics • Thin Section Potting • Horizontal Joint & Gap Filling • Coating

\*For a **complete list** of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	35,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	10 minutes (70°F, 50% RH)
Density	ASTM D1475	8.5 lbs./gal
Hardness	ASTM C661	25 (Shore A)
Extrusion Rate	ASI Test Method	N/A
Tensile Strength	ASTM D412	300 psi
Elongation at Break	ASTM D412	300%
Lap Shear	ASTM D412	N/A
Gun Grade	ASI Test Method	Pass (Self-Leveling)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-30°F to 400°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 306 suggested application temperature range: -30°F to 150°F.

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's sales and technical service department.

## Features

### Neutral Cure Silicone

- ✓ Excellent Unprimed Adhesion
- ✓ Resistant To UV Degradation & Weathering
- ✓ Low Viscosity, Self-Leveling
- ✓ One-Component, Moisture Curing
- ✓ Non-Corrosive Formulation
- ✓ Ideal For Encapsulating, Sealing & Coating
- ✓ Does Not Contain Solvent or Acetic Acid

### Common Substrates

- Glass
- Marble
- Granite
- Metal
- Ceramic
- Most Painted Surfaces
- Natural & Synthetic Fiber
- Most Fiberglass
- Some Plastics
- Most Wood Types
- Aluminum



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## PRODUCT INFORMATION

# ASI Aquarium Sealant



### Description

ASI Aquarium Silicone Sealant is a one-part, RTV Silicone. It cures into a durable, long-term rubber that is aquatic life safe.

Due to its exceptional tensile, elongation and tear strength it has been used for decades by leading aquarium manufacturers in production use as well as repair. ASI Aquarium Sealant has excellent clarity and offers excellent primerless adhesion to glass. ASI Aquarium Sealant can be used in both saltwater and freshwater tanks to create a waterproof seal. Because it is a thick sealant, it can be applied to vertical and overhead applications without sagging or slumping.

Days Immersed In Water	Force Required To Separate	Failure Mode (Cohesive Optimal)
1	212 (psi)	Cohesive Failure (Excellent)
7	209 (psi)	Cohesive Failure (Excellent)
90	206 (psi)	Cohesive Failure (Excellent)
180	208 (psi)	Cohesive Failure (Excellent)
300	203 (psi)	Cohesive Failure (Excellent)

WATER IMMERSION STUDY: TYPICAL LAP SHEAR STRENGTH (ASTM C-961)

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	700,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	10 minutes (70°F, 50% RH)
Density	ASTM D1475	8.5 lbs./gal
Hardness	ASTM C661	27 (Shore A)
Tear Strength	ASI Test Method	45 (Die B, lbs./in)
Tensile Strength	ASTM D412	520 psi
Elongation at Break	ASTM D412	500%
Application Temperature	ASI Test Method	-35°F to 150°F
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-50°F to 400°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI Aquarium Sealant suggested application temperature range: -35°F to 150°F. ASI recommends waiting for full cure (7 days) prior to using the aquarium.

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's sales and technical service department.

## Features

### 100% Aquarium Safe RTV Silicone

- ✓ Aquatic Life Safe
- ✓ Made For Aquarium Manufacturing & Repair
- ✓ Excellent Adhesion & Clarity
- ✓ Creates A Durable, Waterproof Seal
- ✓ Excellent Tensile Strength & Versatility
- ✓ One-Part, Easy To Use & Tool
- ✓ Extremely Resistant To Degrading, Non-Yellowing
- ✓ Use In Salt Or Fresh Water Aquariums

### Common Substrates

- Glass
- Most Acrylics
- Aluminum
- Metals
- Most Woods
- Some Plastics
- Porcelain
- PVC
- Steel

### Common Applications

- Aquarium Manufacturing
- Terrarium Manufacturing
- Glass Viewing Panels
- Sealing/Bonding Aquarium Filters
- Aquarium Repair
- Terrarium Repair

\*For a complete list of applications & substrates or more product information, please contact us.

### Conforms/Meets/Exceeds

- FDA Regulation No. 21 CFR 177.2600
- VOC Compliant (23 grams/liter ASTM D2369)



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# PRODUCT INFORMATION

# ASI 505

## Self-Leveling RTV Silicone

### Description

ASI 505 Self-Leveling RTV Silicone is a one-component, moisture cure, flowable material designed for a variety of potting, coating, sealing and waterproofing applications.

Once applied, ASI 505 will begin skinning in 8 minutes and continue curing to form a flexible, durable rubber that bonds well to a wide variety of substrates. ASI 505 will resist a wide temperature range (-70°F to 400°F) and will not degrade when used in exterior applications or under water. It is extremely UV resistant and will not shrink, crack or dry out long-term. ASI 505 contains no solvents and is VOC compliant.



### Common Applications

- Sealing & Waterproofing Horizontal Joints
- Coating Assemblies
- RV & Manufactured Housing Applications

### Common Substrates

- Glass
- Granite
- Marble
- Metal
- Ceramic
- Aluminum
- Most Types Of Wood
- Natural & Synthetic Fiber
- Most Fiberglass
- Most Painted Surfaces
- Some Plastics

## Features

### RTV Silicone

- ✓ Acetoxy Cure RTV Silicone
- ✓ Excellent Unprimed Adhesion
- ✓ Resistant To UV Degradation & Weathering
- ✓ Low Viscosity, Self-Leveling
- ✓ One-Component, Moisture Curing
- ✓ Withstands Temperatures Ranging From -70°F to 400° F
- ✓ Fast Skinning

\*For a **complete list** of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	35,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	8 minutes (70°F, 50% RH)
Density	ASTM D1475	8.5 lbs./gal
Hardness	ASTM C661	30 (Shore A)
Extrusion Rate	ASI Test Method	N/A
Tensile Strength	ASTM D412	330 psi
Elongation at Break	ASTM D412	350%
Lap Shear	ASTM D412	N/A
Gun Grade	ASI Test Method	Pass (Self-Leveling)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	30°F to 400°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 505 suggested application temperature range: -30°F to 150°F.

### Conforms/Meets/Exceeds

- VOC Compliant (23 grams/liter ASTM D2369)

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's sales and technical service department.



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# PRODUCT INFORMATION

# ASI 53JM

## Structural Hybrid Sealant



### Description

ASI 53JM Structural Hybrid Sealant is a one-part, moisture curing sealant/adhesive formulated to form a long-term durable rubber with outstanding physical properties including 35% joint movement & 500% plus elongation.

ASI 53JM can be used in extreme conditions and will even cure when moisture is present before & during curing. ASI 53JM has been designed to be extremely resistant to yellowing, weathering & UV degradation which makes it ideal as an exterior sealant. It can be used on overhead or vertical substrates without sagging. ASI 53JM offers excellent unprimed adhesion to a wide range of substrates where adhesion is generally difficult for other sealants. ASI 53JM is safe to use in confined and occupied areas because of its eco-friendly chemistry and low odor.

### Common Applications

- Semi-Trailer Manufacturing
- RV & Trailer Manufacturing
- General Construction Applications
- Joint Sealant Applications
- Roofing Applications
- Industrial Manufacturing Applications
- Window & Door Installation
- Weather Sealing Applications
- Masonry Applications

### Common Substrates

- Glass
- Ceramic
- Fiberglass
- Wood
- EPDM
- Porcelain
- PVC & Other Plastics
- Aluminum & Galvanized Metal
- Kynar® Coated Substrates
- Marble & Granite
- Concrete, Brick, Mortar (Porous Substances)
- EPS or Styrofoam Insulation

\*For a complete list of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	1,042,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	30 minutes (70°F, 50% RH)
Density	ASTM D1475	12.7 lbs./gal
Hardness	ASTM C661	22 (Shore A)
Modulus 100%	ASTM D412	0.41 MPa
Tensile Strength	ASTM D412	1.4 MPa
Elongation at Break	ASTM D412	560%
Lap Shear	ASTM D412	0.95 MPa
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-50°F to 220°F
Cure In Depth After 7 Days	ASI Test Method	8mm (70°F, 50% RH)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 53 JM suggested application temperature range: 32°F to 150°F. ASI 53JM can be applied lower than 32°F. However it will slow down curing. In general, lower temperature & humidity will slow skin and cure times.

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's sales and technical service department.

## Features

### Hybrid Sealant

- ✓ 100% Solids, Will Not Shrink
- ✓ Contains No Solvents Or Isocyanates (VOC Compliant)
- ✓ Low Odor, Eco-Friendly
- ✓ Resistant To UV Degradation & Weathering
- ✓ Easy To Dispense & Tool At A Variety Of Temperatures
- ✓ Will Cure When Water Is Present
- ✓ Cures To Wet Substrates Without Negative Effects
- ✓ 35% Joint Movement Capability
- ✓ Excellent Broad Adhesion Range
- ✓ Non-Slump, Can Use On Overhead & Vertical Applications
- ✓ Excellent Elongation & Long-Term Physical Properties
- ✓ Paintable Within 24 Hours



### Conforms/Meets/Exceeds

- ASTM C920 Class 35, Type S, Grade NS, Use NT, A, M, G
- TT-S-00230-C Type II, Class B
- Conforms To USDA Requirements For Non-Food Contact
- Conforms To California Proposition 65
- Meets Requirements Of CARB & SCAQMD
- VOC Compliant (17 grams/liter)



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# PRODUCT INFORMATION

# ASI 57

## Hybrid Performance Sealant

### Description

ASI 57 Hybrid Performance Sealant is a one-part, polyether sealant that uses ASI's innovative hybrid technology to produce a material that is ideal for a wide range of applications where a long-term, durable seal or bond is required. It bonds to a wide array of substrates with aggressive adhesion and resists UV degradation and weathering long-term.

ASI 57 can be applied to a variety of environments while remaining easy to apply and tool. It is also able to withstand moisture before complete cure which makes it ideal for damp and wet environments. ASI 57 is 100% solids and has a very low odor which makes it ideal for confined or occupied work spaces. ASI 57 is ideal for most industrial and construction applications because of its broad adhesion profile, characteristics & properties.



### Common Applications

- Walk-In Freezer Manufacturing & Installation
- RV & Trailer Manufacturing
- General Construction Applications
- Joint Sealant Applications
- Industrial Manufacturing Applications
- Roofing Applications
- Window & Door Installation
- Weather Sealing Applications
- Masonry Applications

### Common Substrates

- Glass
- Ceramic
- Fiberglass
- Wood
- EPDM
- Porcelain
- PVC & Other Plastics
- Aluminum & Galvanized Metal
- Kynar® Coated Substrates
- Marble & Granite
- Concrete, Brick, Mortar (Porous Substances)
- EPS or Styrofoam Insulation

\*For a complete list of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	713,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	35 minutes (70°F, 50% RH)
Density	ASTM D1475	13.5 lbs./gal
Hardness	ASTM C661	27 (Shore A)
Modulus 100%	ASTM D412	0.6 MPa
Tensile Strength	ASTM D412	1.4 MPa
Elongation at Break	ASTM D412	430%
Lap Shear	ASTM D412	1.94 MPa
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-50°F to 220°F
Cure In Depth After 7 Days	ASI Test Method	12mm (70°F, 50% RH)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 57 suggested application temperature range: 32°F to 150°F. ASI 57 can be applied lower than 32°F. However, it will slow down curing. In general lower temperature & humidity will slow skin and cure times.

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's sales and technical service department.

## Features

### Hybrid Sealant

- ✓ 100% Solids, Will Not Shrink
- ✓ Contains No Solvents Or Isocyanates (VOC Compliant)
- ✓ Low Odor, Eco-Friendly
- ✓ Resistant To UV Degradation & Weathering
- ✓ Easy To Dispense & Tool At A Variety Of Temperatures
- ✓ Will Cure When Water Or Moisture Is Present
- ✓ Cures To Wet Substrates Without Negative Effects
- ✓ 25% Joint Movement Capability
- ✓ Excellent Adhesion Range
- ✓ Non-Slump, Can Use On Overhead & Vertical Applications
- ✓ Will Not Wash Off With Rain Or Moisture
- ✓ Paintable Within 24 Hours



### Conforms/Meets/Exceeds

- ASTM C920 Class 25, Type S, Grade NS, Use NT, A, M, G, O
- TT-S-00230-C Type II, Class A
- Conforms To USDA Requirements For Non-Food Contact
- Conforms To California Proposition 65
- Meets Requirements Of CARB & SCAQMD
- VOC Compliant (17 grams/liter ASTM D2369)



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# PRODUCT INFORMATION

# ASI 55

## Hybrid Sealant & Adhesive

### Description

ASI 55 Industrial & Construction Hybrid Sealant/Adhesive uses ASI's innovative hybrid technology to provide a one part, elastomeric sealant/adhesive that will perform in a variety of demanding environments and applications without degrading.

Unlike conventional polyurethanes and solvent based sealants/adhesives, ASI 55 is 100% solids, doesn't shrink, doesn't contain harmful isocyanates and performs long-term without degrading, yellowing or chalking. ASI 55 is made to perform in all environments and can be applied to wet substrates and will withstand immediate rainfall without worry. ASI 55 has been formulated with long-term direct sunlight in mind and will continue to provide excellent physical properties even through constant change of temperatures, substrate settling, vibration and movement to provide a water tight seal and a durable bond.



### Common Applications

- Window & Door Installation
- Roofing Applications
- Metal Roof Sealant
- Joint Sealant Applications
- Trailer & RV Manufacturing
- Manufactured Housing Applications
- Walk-In Freezer Manufacturing & Installation
- General Construction Applications
- Industrial Manufacturing Applications
- Weather Sealing Applications
- General Adhesive Applications
- Masonry Applications

### Common Substrates

- Glass
- Ceramic
- Fiberglass
- Wood
- EPDM
- Porcelain
- PVC & Other Plastics
- Aluminum & Galvanized Metal
- Kynar® Coated Substrates
- Marble & Granite
- Concrete, Brick, Mortar (Porous Substances)
- EPS or Styrofoam Insulation

\*For a complete list of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	1,000,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	30 minutes (70°F, 50% RH)
Density	ASTM D1475	14.2 lbs./gal
Hardness	ASTM C661	34 (Shore A)
Modulus 100%	ASTM D412	0.73 MPa
Tensile Strength	ASTM D412	1.16 MPa
Elongation at Break	ASTM D412	300%
Lap Shear	ASTM D412	0.90 MPa
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-50°F to 220°F
Cure In Depth After 7 Days	ASI Test Method	11mm (70°F, 50% RH)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 55 suggested application temperature range: 32°F to 150°F. ASI 55 can be applied lower than 32°F. However, it will slow down the curing speed. In general lower temperature & humidity will slow skin and cure times.

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's sales and technical service department.

## Features

### Hybrid Sealant & Adhesive

- ✓ 100% Solids, Will Not Shrink
- ✓ Contains No Solvents Or Isocyanates (VOC Compliant)
- ✓ Low Odor, Eco-Friendly
- ✓ Resistant To UV Degradation & Weathering
- ✓ Easy To Dispense & Tool At A Variety Of Temperatures
- ✓ Will Cure When Water Or Moisture Is Present
- ✓ Cures To Wet Substrates Without Negative Effects
- ✓ Multi-Purpose Sealant & Adhesive Applications
- ✓ Broad Adhesion Range
- ✓ Non-Slump, Can Use On Overhead & Vertical Applications
- ✓ Excellent Long-Term Physical Properties
- ✓ Paintable Within 24 Hours



### Conforms/Meets/Exceeds

- ASTM C920 Class 25, Type S, Grade NS, Use NT, A, M, G
- TT-S-00230-C Type II, Class B
- Conforms To USDA Requirements For Non-Food Contact
- Conforms To California Proposition 65
- Meets Requirements Of CARB & SCAQMD
- VOC Compliant (17 grams/liter ASTM D2369)



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# PRODUCT INFORMATION

# ASI 5900

## Fast Grab Hybrid Adhesive

### Description

ASI 5900 Fast Grab Hybrid Adhesive uses ASI's innovative hybrid technology to develop immediate green strength to fixture substrates while the adhesive cures and provides a long-term, durable bond. ASI 5900 is 100% solids.

It will not shrink and is free of isocyanates and solvents which make it easy and friendly to work with at a variety of temperatures. ASI 5900 will remain consistent to dispense and tool whether it is cold or hot outside unlike many solvent based adhesives. It will bond to wet substrates and is able to be applied when water or moisture is present without washing off (water based adhesives) or outgassing and bubbling (polyurethanes). ASI 5900 has a very broad adhesion range and can be used for a variety of industrial or construction applications.



### Common Applications

- Roof Bow Adhesive
- Trailer & RV Manufacturing
- Shower Panels & Installation
- Subfloor Adhesive
- Roofing Applications
- Mirror Installations
- Landscape Block Applications
- Countertop & Solid Surface Installation
- Wall Stone Applications
- HVAC Applications
- General Construction Applications

### Common Substrates

- Ceramics
- Fiberglass
- Granite
- Marble
- Aluminum & Galvanized Metal
- Wood
- Stone
- EPDM
- EPS or Styrofoam Insulation
- Porcelain
- PVC & Other Plastics
- Porous Surfaces (Concrete, Brick, Etc.)

**\*For a complete list of applications & substrates or more product information, please contact us.**

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	2,100,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	10 minutes (70°F, 50% RH)
Density	ASTM D1475	14.9 lbs./gal
Hardness	ASTM C661	45 (Shore A)
Modulus 100%	ASTM D412	1.42 MPa
Tensile Strength	ASTM D412	1.58 MPa
Elongation at Break	ASTM D412	150%
Lap Shear	ASTM D412	2.15 MPa
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G154	Pass (10,000 hrs.)
Service Temperature	ASI Test Method	-50°F to 220°F
Cure In Depth After 7 Days	ASI Test Method	13mm (70°F, 50% RH)

Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 5900 suggested application temperature range: 32°F to 150°F. ASI 5900 can be applied lower than 32°F. However, it will slow down the curing speed. In general lower temperature & humidity will slow skin and cure times.

*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's sales and technical service department.*

## Features

### 100% Solids, VOC Compliant

- ✓ No Solvents Or Water, Will Not Shrink
- ✓ Offers Immediate Green Strength
- ✓ Adheres To A Wide Variety Of Substrates
- ✓ Remains Easy To Dispense From 0-150°F
- ✓ Will Cure To Wet Substrates Or When Moisture Is Present
- ✓ Remains Flexible, Allows For Vibration & Movement

### The ASI 5900 Advantage

#### Reduce Adhesive Usage

The solvent in solvent based adhesives flashes off during curing and water based adhesives also have water loss during cure. This can often leave behind just 60% of what you applied. With the ASI 5900, what you apply stays.

#### Where Eco-Friendly & Performance Meet

A lot of adhesives that are eco-friendly do not have the strength required for the job. The ASI 5900 offers an eco-friendly option that is made to perform.



### Conforms/Meets/Exceeds

- California Proposition 65
- USDA Requirements For Non-Food Contact
- CARB & SCAQMD
- VOC Compliant (9.5 grams/liter ASTM D2369)





## PRODUCT INFORMATION

# ASI Compound 70 Multi-Purpose Silicone Grease

### Description

ASI Compound 70 Multi-Purpose Silicone Grease is a moisture resistant, non-curing paste which retains its consistency and properties over a temperature range of -70°F to 400°F.

This stiff, tacky compound is non-melting and retains its properties over extended periods of use. ASI Compound 70 has excellent dielectric properties and is highly water repellent and resistant to oxidation. ASI Compound 70 can be used as a release agent, lubricant, dielectric grease, water repellent, corrosion protectant and applications where resistance to thermal degradation or electrical insulation are needed. ASI Compound 70 is also NSF H1 registered for use around food processing areas.



\*For a complete list of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
NLGI Grade	DIN 51818	2
Specific Gravity	ASI Test Method	0.99
Water Spray Off	ASTM D4049	4%
Evaporation, 24 Hrs, 200°C	ASI Test Method	<1%
Bleed, 24 Hrs, 200°C	ASI Test Method	<2%
Penetration Unworked	ASTM D217	270
Penetration Worked (60x)	ASTM D217	285
Dielectric Strength, 0.01 Gap	ASTM D149	>700 (Volts/Mil)
Volume Resistivity	ASTM D257	1.8x10 <sup>14</sup>
Dielectric Constant 1000 Hz	ASTM D150	3.0
Dissipation Factor, 1000 Hz	ASTM D150	.0016
Arc Resistance, RT	ASTM D495	120 (Sec)

## Features

### Silicone Based Grease

- ✓ Resists Water Washout & Spray
- ✓ Excellent Long-Term Water Resistance
- ✓ Retains Consistency From -70°F to 400°F
- ✓ Compatible With Rubbers & Plastics
- ✓ Resistant To A Variety Of Chemicals
- ✓ Protects Against Oxidation & Corrosion
- ✓ Resistant To Thermal Degradation
- ✓ Excellent Dielectric Properties
- ✓ Insulates & Protects Electronic Components
- ✓ Excellent Lubricant With Water Resistance
- ✓ Remains A Thick Paste, Easy To Use

### Common Applications

- OEM Applications
- Dielectric Grease
- Release Agent for Plastic Extrudes
- Corrosion Protection (Battery Terminals, Copper Conductors & Device Leads)
- General Industrial Applications
- Disconnect Junctions In Electrical Wiring Systems
- Lubricant (Bearings, Bushings, Gears & Chains)

Can be used for various applications depending upon substrate

### Conforms/Meets/Exceeds

- SAE-AS-8660
- FDA-CFR-21-178.3570
- NSF Category Code: **H1**



Nonfood Compounds Program Listed  
Registration No. 151561

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# PRODUCT INFORMATION

# ASI 12SK

## Hi-Flex Butyl Sealant



### Description

ASI 12SK Butyl Sealant is a one part, butyl based sealant that has been formulated to perform better than the average butyl by using synthetic fibers to allow more flexibility, better adhesion, and more versatility.

ASI 12SK provides a long-term seal between all types of masonry, steel, aluminum, glass and other common construction/industrial materials. ASI 12SK Butyl Sealant shows excellent resistant to weathering, bubbling, cracking, and other performance issues usually seen with butyl sealants. ASI 12SK conforms with the requirements of Federal Specification TT-S-01657. It is also paintable when using most industrial and commercial paints.

### Common Applications

- Glass Channel Glazing Panels
- Curtain Wall Joints
- Sealing Insulated Glass Units In Metal & Wood Frames
- General Industrial Applications
- General Construction Applications
- Bedding Thresholds
- Seal Around EPDM
- Masonry Applications
- Sheet Metal Work & Sealing
- Secondary Glazing Seals

### Common Substrates

- Glass
- Steel
- Cement
- Painted Metal
- Many Plastics
- Aluminum & Galvanized Metal
- Wood
- EPDM
- Porous Surfaces (Concrete, Brick, Etc.)

\*For a **complete list** of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	1,200,000 cps (Spindle 7, 4rpm)
Skin Formation Time	ASI Test Method	120 minutes (70°F, 50% RH)
Density	ASTM D1475	12.02 lbs./gal
Hardness	ASTM C661	35 (Shore A)
Tenacity	TT-S-001657	Pass
Tensile Strength	ASTM D412	130 psi
Bubble Formation	TT-S-001657	Pass
Slump	TT-S-001657	Pass
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G26	Pass (10,000 hrs)
Service Temperature	ASI Test Method	-20°F to 180°F
Cure In Depth After 7 Days	ASI Test Method	8mm (70°F, 50% RH)
Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. ASI 12SK suggested application temperature range: 5°F to 120°F		

## Features

### Butyl Sealant

- ✓ Excellent Flexibility
- ✓ Paintable
- ✓ Resistant To UV Degradation & Weathering
- ✓ Good Adhesion Range
- ✓ Excellent Long-Term Physical Properties
- ✓ Non-Slump, Can Use On Overhead & Vertical Applications
- ✓ Non-Staining To Most Substrates
- ✓ Easy To Dispense And Tool At A Variety Of Temperatures

### Conforms/Meets/Exceeds

- TT-S-01657, Type 1
- Conforms To USDA Requirements For Non-Food Contact
- Meets Requirements of AAMA 808.3-05
- Low VOC (259 grams/liter ASTM D3960)

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# PRODUCT INFORMATION

# ASI 174

## Siliconized Acrylic Latex



### Description

ASI 174 Siliconized Acrylic Latex is a high performance, paintable sealant used for sealing interior and exterior joints.

ASI 174 Siliconized Acrylic Latex cures to form a strong, flexible water tight seal. ASI 174 is further modified with proprietary additives to optimize resistance to oxidation, UV degradation and cold temperatures. ASI 174 will also expand and contract with paint which allows it to be a painted using most latex and oil based paints.

### Typical Properties White & Colors

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	402,500 cps (Spindle 7, 4rpm)
Skin Formation Time	ASI Test Method	30 minutes (70°F, 50% RH)
Density	ASTM D1475	13.25 lbs./gal
Hardness	ASTM C661	40 (Shore A)
Percentage Solids	ASI Test Method	84%
Elongation at Break	ASTM D412	400%
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G26	Pass (4,000 hrs.)
Service Temperature	ASI Test Method	-20°F to 180°F
Paintable with latex paints 2 hrs. after application. Paintable with oil based paints 24 hrs. after application.		

### Typical Properties Clear

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	679,000 cps (Spindle 7, 4rpm)
Skin Formation Time	ASI Test Method	60 minutes (70°F, 50% RH)
Density	ASTM D1475	9 lbs./gal
Hardness	ASTM C661	50 (Shore A)
Percentage Solids	ASI Test Method	61%
Elongation at Break	ASTM D412	600%
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G26	Pass (4,000 hrs.)
Service Temperature	ASI Test Method	-20°F to 180°F
Paintable with latex paints 2 hrs. after application. Paintable with oil based paints 24 hrs. after application.		

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## Features

### Paintable Sealant For Interior & Exterior Joints

- ✓ Mold & Mildew Resistant When Cured
- ✓ Non-Sag, Use On Vertical Or Overhead Joints
- ✓ Resistant To UV Degradation & Weathering
- ✓ Bonds To Most Common Building Materials
- ✓ Easy To Use, Water Clean Up
- ✓ Paintable
- ✓ Good Adhesion
- ✓ Cures To Form A Strong & Flexible Waterproof Seal

### Common Substrates

- Ceramics
- Glass
- Granite
- Some Metals
- Most Woods
- Some Plastics
- Marble
- Porcelain

### Common Applications

- Bathroom Installation/Sealing
- Window & Door Interior Sealing
- Countertops
- Trimwork
- Tub & Tile
- Cabinets
- General Sealing & General Construction
- Portable Housing Interior Applications

\*For a complete list of applications & substrates or more product information, please contact us.

### Conforms/Meets/Exceeds

#### Clear

- ASTM C834-05 Type C
- VOC Compliant

#### White

- ASTM C920, Class 12.5
- TT-5-00230C Class B
- VOC Compliant



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# PRODUCT INFORMATION

# ASI 0240

## Tooling Aid & Adhesive Remover

### Description

ASI 0240 is a multi-use, sprayable liquid that can be used when tooling sealants/caulk to make the process easier and create a professional, clean looking seal, faster. ASI 0240 also serves as a remover that helps remove all types of caulks, sealants, labels, tapes and other adhesive products without damaging most common substrates.



### Features

#### Tooling Aid/Adhesive Remover

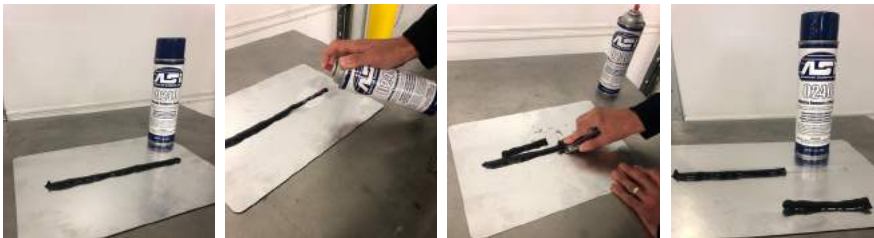
- ✓ Safer & More Effective Than Most Solvents
- ✓ Flashes Away Without Leaving A Residue
- ✓ Can Be Used With Most Caulks & Sealants
- ✓ Will Not Damage Most Substrates Unlike Solvents
- ✓ More Effective Than Water When Used To Tool
- ✓ Citrus Scent

### Safe To Use On The Following Substrates

- Metals • Glass • Mirrors • Most Wood • Fiberglass • Gel Coat • Most Plastics • Cultured Marble
- Solid Stone Surfaces • Ceramic • Porcelain • Brick • Concrete

\*For a **complete list** of applications & substrates or more product information, please contact us.

### Remove Adhesive & Sealants Safely & Effectively



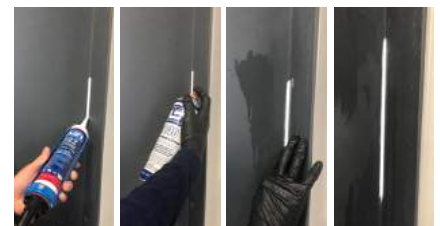
ASI 0240 will effectively remove a wide variety of adhesive & sealant products including; hybrid polyethers, silicones, polyurethanes, caulks and pressure sensitive labels safely and effectively. When worked into and underneath the adhesive the ASI 0240 safely breaks the bond and allows for easy removal and clean up. It is safe to use on a variety of common substrates and will not harm surrounding adhesives if left alone and not worked into the adhesive. ASI 0240 is much more effective than most solvents including acetone and methyl ethyl ketone for removal of sealants and adhesives.

### Use As A Tooling Aid For A More Efficient, Professional Looking Bead

After you apply the bead of caulk/sealant spray ASI 0240 on the bead. During tooling, it will keep the caulk from sticking to your finger and it also helps keep the caulk from adhering to areas outside of the bead area. This makes tooling easier, cleaner and less time consuming. The excess ASI 0240 will evaporate without leaving a residue or damaging most caulks and substrates unlike solvents.

### Helps To Remove

- Polysulfide Sealants/Adhesives
- Silicone Sealants/Adhesives
- Polyurethane Sealants/Adhesives
- Polyether Sealants/Adhesives
- Solvent Based Sealants Adhesives
- Hybrid Sealants/Adhesives
- Butyl Sealants
- STPE Sealants/Adhesives
- Latex Caulks
- Lubricants
- Most Contact Adhesives
- Most Tapes
- Labels
- Decals



### Helps To Tool

- Polysulfide Sealants/Adhesives • Silicone Sealants/Adhesives • Polyurethane Sealants/Adhesives • Polyether Sealants/Adhesives • STPE Sealants/Adhesives
- Hybrid Sealants/Adhesives • Solvent Based Sealants/Adhesives • Latex Caulks

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