

A Meridian Adhesives Group Company



PAGE 2 ASI PRODUCT CATALOG



THE ASI® ADVANTAGE.

HIGH PERFORMANCE PRODUCTS, UNPARALLELED SERVICE, OUALITY 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® 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 4

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



- · Low & Flexible Minimums
- Industry Leader in Packaging Options & Technology
- Application Advice & Support





ASI has 37+ 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
- Diverse Product Options, Custom Formulations & Colors Available



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



PAGE 4 **ASI PRODUCT CATALOG**

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.



ASI 55 • ASI 57 ASI 5900 • ASI 6900





A

100%

Solids

Will Not Shrink

Not Paintable

×

Resists Yellowing

Long-Term Durability

Excellent

UV Resistance

Wide

Adhesion

Range

Tolerates

Water Before

Curing

Apply To Wet

Ö

VOC Compliant

Non-Corrosive

ADVANTAGES OF

ASI'S HYBRID

TECHNOLOGY

Use In All Climates

Compliant Formulations

(5)

Eco Friendly,

No Solvents

 \bigcirc

Cures &

Skins Fast

Excellent

Properties

Paintable

- · Must Cure Before Water Contact
- Acetoxy Silicone, High Odor
- · Limited Use As an Adhesive



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



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



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 nearly 40 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
- Not Paintable (For applications that need painted see our **Hybrid Products**)

Neutral Cure

Silicone

Not Food Grade

- Low Odor
- Broader Adhesion Range
- Adhesion to Concrete
- Non-Corrosive to Most Metals
- Resistant to Oils & Some Chemicals

Primary Concern

CONS

Odor Tack Free Time Adhesion To 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

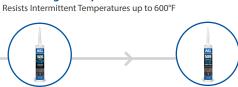
Use on Electronics or a Self-Leveling Joint Sealant



ASI 388 Electronic Grade Silicone

UL Recognized, Use for Encapsulating, Bonding, Etc.

ASI 600 High-Temp Silicone



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

ASI 509 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.

PAGE 6 **ASI PRODUCT CATALOG**

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.









ACETOXY SILICONE

SILICONE

HYBRID **CURE**

FORMULATIONS











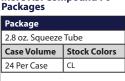




























ASI PRODUCT CATALOG PAGE 8

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
- · Horizontal Joint & Gap Filling
- Coating · Thin Section Potting

*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	8.7 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)

*Intermittent temperature up to 450°F. 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. 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



Excellent Unprimed Adhesion



Low Odor



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
- Some Plastics
- **Most Wood Types**

Synthetic Fiber

Most Fiberglass

- Aluminum
- **Most Painted** Surfaces

Conforms/Meets/Exceeds

• VOC Compliant (21 grams/liter ASTM D2369)



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. 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.



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

Common Applications

- · Window Manufacturing & Assembly
- Window Installation
- · Metal Roofing Installation
- · Door Installation, Manufacturing & Assembly
- · Siding Installation & Sealing
- · Portable Housing

- RV Applications
- Glass Glazing
- Construction Applications
- · Glass Block Installation & Sealing
- General Sealing & Bonding **Applications**
- · General Sealing & Bonding

Common Substrates

- Glass
- Porous Surfaces (Concrete, Brick, Etc.)
- Most Wood Types, Cement Board & Fiber Board
- Aluminum
- **Most Metals** (Including Uncoated) Ceramic

Kynar® Coated Substrates

- **Most Fiberglass**
- **Most Painted Surfaces**

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
- Meets MIL 46106B Type 1



Manufacturer of Verified Components

*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	-50°F to 400°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

*Intermittent temperature up to 450°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.



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PRODUCT INFORMATION

ASI 335

Advanced Adhesion 100% 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 Glass Glazing
- Industrial Manufacturing **Applications**
- · Concrete Joint Sealing
- HVAC Applications
- Glass Block Installation

Common Substrates

Glass

Most Wood Types

Porous Surfaces (Concrete, Brick, Etc.)

Aluminum Ceramic

Marble & Granite **Most Metals**

 Most Fiberglass **Most Painted Surfaces**

Natural & Synthetic Fiber Some Plastics

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

*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)

*Intermittent temperature up to 450°F. Strength will start to develop immediately and continue increasing for 7 days after application. ASI recommends testing strength and adhesion on the 7th day. 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.

- 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)
- Meets MIL 46106B Type 1



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
- Covering Sensitive Components Electronic Encapsulating
- Sealing Electronic Assemblies Electrical Connections
- Adhering Electronics
- Sealing/Bonding Electronics
- Circuit Board Protection

- Telecommunications Including Coaxial Cable Connectors, Etc.
- Engine Components
- General Industrial Applications

*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	20 minutes (70°F, 50% RH)
Density	ASTM D1475	8.7 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 ¹⁵
Dielectric Constant 50Hz	ASTM D150	3
Dielectric Factor 50Hz	ASTM D150	5x10 ⁻³
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

*Intermittent temperature up to 450°F. 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. 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



Low Odor

Common Substrates

Glass

Most Metals

Most Fiberglass

Aluminum

Porous Surfaces

(Concrete, Brick, Etc.) PVC

Vinyl Rubber

Steel

Natural & Synthetic Fiber

Most Painted Surfaces

Some Plastics

- **UL Recognized**
- VOC Compliant (21 grams/liter ASTM D2369)
- Meets MIL 46106B Type 1





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PRODUCT INFORMATION

ASI 502

High Performance 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 Substrates

Glass • Mo: Most Metals • Mo:

Most FiberglassMost Wood Types

Some PlasticsGranite

PVC

AluminumCeramic

Marble Porcelain
Steel Most Pair

Most Painted Surfaces

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

Common Applications

- Industrial, Construction
- HVAC/Ductwork Applications
- Appliance Manufacturing
- Refrigeration UnitsWalk-In Freezer Manufacturing
- & Installation
 Sealing Trailers
- Formed In Place Gaskets
- Sheet Metal
- Countertops
- Sanitary Seals

· Plumbing

- General Sealing & Adhering
- Marine Applications
- Telecommunications Including Coaxial Cable Connectors
- RV & Trailer Manufacturing
- Formed-In-Place Gasket Applications
- Kitchen & Bathroom
- Fireplace Manufacturing
- Sheet Metal Work & Sealing

*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	8.5 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	-70°F to 400°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

*Intermittent temperature up to 450°F. 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. 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

- ASTM C920 Class 25, Type S, Grade NS, Use NT, G, O
- TT-S-01543A
- TT-S-00230-C
- MIL-A-46106B Type 1
- NSF Standard 51
- FDA Regulation No. 21 CFR 177.2600
- UL Recognized
- VOC Compliant (23 grams/liter ASTM D2369)
- Meets MIL 46106B Type 1







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.



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

Common Applications

- Walk-In Freezer Manufacturing & Installation
- RV & Trailer Manufacturing
- General Purpose Sealing & Bondina
- · Appliance Manufacturing
- Sealing Precast Concrete Forms Sheet Metal Work & Sealing

HVAC Applications

Applications

Fireplace Manufacturing

Bathroom Installation & Sealing

Industrial Manufacturing

Common Substrates

Glass

Aluminum

Metal Ceramic

Some Fiberglass **Most Painted Surfaces**

Some Plastics

Natural & Synthetic Fiber

Most Wood Types

*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)

*Intermittent temperature up to 450°F. 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. 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.

- 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)



PAGE 14 **ASI PRODUCT CATALOG**

PRODUCT INFORMATION

ASI 505

Industrial Grade 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

- Most Types Of Wood Natural & Synthetic Fiber **Most Fiberglass**
- Metal Most Painted Surfaces Ceramic **Some Plastics**

RTV Silicone

Features



Acetoxy Cure RTV Silicone



Excellent Unprimed Adhesion



Resistant To UV Degradation & Weathering



Low Viscosity, Self-Leveling



One-Component, Moisture Curing



Withstands Temperatures Ranging From -70F° 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	8.56 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)

*Intermittent temperature up to 450°F. 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. 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

· VOC Compliant (23 grams/liter ASTM D2369)



ASI 509

Aquarium Safe 100% RTV Silicone

Description

ASI 509 Aquarium Safe Sealant is a one-part, RTV Silicone. It cures into a durable, long-term rubber that is aquatic life safe.

Due to it's exceptional tensile, elongation and tear strength it has been used for decades by leading aquarium manufacturers in production use as well as repair. ASI 509 Aquarium Safe Sealant has excellent clarity and offers excellent primer-less adhesion to glass. ASI 509 Aquarium Safe 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)

*Intermittent temperature up to 450°F. 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 Metals Porcelain

Aluminum

Most Acrylics • Most Woods Some Plastics

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.

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



ASI PRODUCT CATALOG PAGE 16

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).



- Industrial Ovens
- RV & Trailer Manufacturing Fireplace Manufacturing
- Formed-In-Place Gasket **Applications**
- Sealing Heating Elements
- · Industrial Manufacturing **Applications**
- High Temperature **Gasketing Applications**
- HVAC Applications
- Appliance Manufacturing
- · Sheet Metal Work & Sealing
- · Encapsulating & Coating
- Temperature Sensitive Parts
- · General Sealing & Bonding **Applications**

۸Si 600

Common Substrates

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



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	8.5 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)

*Intermittent temperature up to 550°F. 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. 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

- 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)



ASI 55

Multi-Purpose 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 chaulking. Made to perform in all environments and can be applied to wet substrates and will withstand immediate rainfall without worry. Formulated with longterm direct sunlight in mind, it 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.



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

Applications



Non-Slump, Can Use On Overhead & Vertical



Excellent Long-Term Physical **Properties**



Paintable Within 24 Hours

Common Applications

- · Joint Sealant Applications
- · Trailer & RV Manufacturing • Walk-In Freezer Manufacturing
- & Installation
- · General Construction
- · Industrial Manufacturing · Solar Panel Installation
- · Adhesive Applications
- Roofing
- Pre-cast Concrete
- Window & Door Installation
- Weather Sealing
- HVAC Applications
- Appliance Manufacturing
- Masonry Applications

Common Substrates

- Glass Ceramic
- **PVC & Other Plastics** Aluminum & Galvanized Metal
- Fiberglass
- Kynar ® Coated Substrates
- Wood
- Marble & Granite
- **EPDM**
- Porcelain
- Porous Surfaces (Concrete, Brick, Etc.) 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	13.95 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	-75°F to 220°F
Cure In Depth After 7 Days	ASI Test Method	11mm (70°F, 50% RH)

*Intermittent temperature up to 270°F. 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 curing. In general lower temperature & humidity will slow skin and cure times. Information on this data sheet can change without notice. It is not recommended that these figures be used in spec writing. Contact manufacturer's sales and technical service department with questions



- ASTM C920, Type S, Grade NS, Class 25, Uses NT, T, M, G, A & O
- Conforms to California Proposition 65
- Meets USDA Requirements for Non-**Food Contact**
- Meets Requirements of CARB & **SCAQMD**
- ASTM E84, Class A, Flame Spread: 0, Smoke Developed: 0
- Meets The Requirements of AAMA 714-19
- · VOC Compliant



PAGE 18 ASI PRODUCT CATALOG

PRODUCT INFORMATION

ASI 57

High Performance Hybrid Sealant

Description

ASI 57 Hybrid Class 50 Hybrid Sealant and Adhesive is a one-part, low odor, no-sag 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. Not only does it aggressively bond to a wide variety of substrates, it reaches 50% joint moveability!

ASI 57 will not shrink, is 100% solids and free of isocyanates and solvents, which unlike many solvent based adhesives, makes it easy and consistent to dispense/tool at a variety of temperatures. ASI 57 offers excellent resistance to UV and yellowing for long term performance. It can be applied in damp and wet environments, which makes it's immediately rain ready and mold and mildew resistant. ASI 57 is for most industrial and construction applications because of it's broad adhesion profile, characteristics and properties. It can be painted with most consumer and industrial latex paints.



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



50% Joint Movement Capability

Applications



Excellent Adhesion Range



Non-Slump, Can Use On Overhead & Vertical



Will Not Wash Off With Rain Or Moisture



Paintable Within 24 Hours

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 PVC & Other Plastics

Ceramic Fiberglass Aluminum & Galvanized Metal
 Kvnar ® Coated Substrates

Wood EPDM

Marble & Granite

Porcelain

Porous Surfaces (Concrete, Brick, Etc.)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	2,000,000 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	145 (PSI)
Elongation at Break	ASTM D412	600%
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	-75°F to 220°F
Cure In Depth After 7 Days	ASI Test Method	12mm (70°F, 50% RH)

*Intermittent temperature up to 270°F. 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. It is not recommended that these figures be used in spec writing. Contact manufacturer's sales and technical service department with questions.



- ASTM C920, Type S, Grade NS, Class 50, Uses NT, T, M, G, A & O
- Conforms to California Proposition 65
- Meets USDA Requirements for Non-Food Contact
- Meets Requirements of CARB & SCAQMD
- ASTM E84, Class A, Flame Spread: 0, Smoke Developed: 0
- Meets The Requirements of AAMA 714-19
- VOC Compliant



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
- · Panel Assembly Adhesive
- Subfloor Adhesive
- · Roofing Applications
- Mirror Installations
- Wall Stone Applications
- Landscape Block Applications
- Countertop & Solid Surface Installation
- HVAC Applications
- General Construction **Applications**
- · Industrial Manufacturing **Applications**

Common Substrates

eramics	 Wood 	
iberglass	Stone	
iranite	• FPDM	

Marble EPS or Aluminum & Styrofoam • Galvanized Metal Insulation

Plastics Porous Surfaces

Glass

Porcelain

PVC & Other

*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	14.8 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)

*Intermittent temperature up to 270°F. Strength will start to develop immediately & continue increasing for 7 days after application. ASI recommends testing strength & 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 & cure times. Information on this data sheet can change without notice. It is not recommended that these figures be used in spec writing. Contact manufacturer's sales & technical service department with questions.

Features

100% Solids, VOC Compliant



No Solvents Or Water, Will Not Shrink



Offers Immediate Green Strength



Adheres To A Wide Variety Of Substrates



id Sea

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



PAGE 20 ASI PRODUCT CATALOG

PRODUCT INFORMATION

ASI 6900

Extreme Fast-Grab Hybrid Adhesive

Description

ASI 6900 Extreme Fast-Grab Hybrid Adhesive grabs and holds substrates within just a few seconds, making it ideal for holding heavy objects in place while adhesive cures to form a long-term, durable bond. This reduces or eliminates the need for fasteners, braces, clips and epoxy. Ideal for heavy substrates or overhead applications where a quick, firm grab is needed. Using the same hybrid technology as ASI 5900, this product extrudes easily while offering extreme green strength (immediate hold), better adhesion to many substrates and cures to form

It will not shrink, is 100% solids and is free of isocyanates and solvents, making it easy and consistent to dispense in all temperatures. It will bond to wet substrates and is can be applied when water or moisture is present without washing off (water based adhesives) or outgassing and bubbling (polyurethanes).

an even stronger adhesive than it's counterpart.

Common Applications

- Sink Applications
- Wall Panels
- · Roof Bows
- Trailer & RV Manufacturing
- Shower Panels & Installation
- Industrial Manufacturing
- Panel Assembly Adhesive
- Faux Rock or Panel Installation
- Landscape Block Installation

Features

100% Solids, VOC Compliant



Reduces/Eliminates Need for Braces, Clips & Epoxy



No Solvents Or Water, Will Not Shrink



Offers The Strongest Hold & 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 6900 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 6900, 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 6900 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)



Common Substrates

- CeramicsFiberglass
- Wood
- Porcelain
- Glass
- StoneEPDM
- PVC & Other PlasticsPorous

Surfaces (Concrete, Brick, Etc.)

- GraniteMarble
- EPS or Styrofoam Insulation
- Aluminum &
 - Aluminum & I
 Galvanized Metal
- *For a complete list of applications & substrates or more product information, please contact us.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	4,500,000 cps (Spindle 7, 4 rpm)
Skin Formation Time	ASI Test Method	10 minutes (70°F, 50% RH)
Density	ASTM D1475	14.4 lbs./gal
Hardness	ASTM C661	47 (Shore A)
Modulus 100%	ASTM D412	1.35 MPa
Tensile Strength	ASTM D412	1.8 MPa
Elongation at Break	ASTM D412	200%
Application Temperature	ASTM D412	32° to 120°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 220°F
Typical Cure Rate	ASI Test Method	24 hrs. (1/8" bead)

*Intermittent temperature up to 270°F. Information on this data sheet can change without notice. It is not recommended that these figures be used in spec writing. Contact manufacturer's sales and technical service department with questions.



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.



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 Dielectic 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
- **General Construction** Disconnect Junctions In Electrical
- Lubricant (Bearings, Bushings, Gears & Chains)
- Cable Pulling Lubricant

Wiring Systems

- Mild Chemical Barrier Coating
- Mold Release Agent for Plastic & Rubber Parts
- **Moisture Proof Sealing**
- Mold Release Agent for Foundry Shell & Core Molds

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
Dielectic Strength, 0.01 Gap	ASTM D149	>700 (Volts/Mil)
Volume Resistivity	ASTM D257	1.8x10 ¹⁴
Dielectic Constant 1000 Hz	ASTM D150	3.0
Dissipation Factor, 1000 Hz	ASTM D150	.0016
Arc Resistance, RT	ASTM D495	120 (Sec)

Can be used for various applications depending upon substrate

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

Conforms/Meets/Exceeds

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



Nonfood Compounds Program Listed Registration No. 151561



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.

PAGE 22 ASI PRODUCT CATALOG

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

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

*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)

*Intermittent temperature up to 230°F. 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: 32°F to 150°F. ASI 12SK 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. 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.

- TT-S-01657, Type 1
- Conforms To USDA Requirements For Non-Food Contact
- Meets Requirements of AAMA 808.3-05
- VOC Compliant (106 grams/liter ASTM D-3960)



ASI 174

High Performance 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.		

*Intermittent temperature up to 230°F. 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

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

Marble

- Some Metals Most Woods
- Some PlasticsPorcelain

Porous Surfaces (Concrete, Brick, Etc.)

Common Applications

- Bathroom Installation/Sealing
- Window & Door Interior Sealing
- Countertops
- Trim work
- Tub & Tile
- Cabinets
- General Sealing & General Construction
- Portable Housing Interior Applications
- · Applications Where Painting is Required

*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-S-00230C Class B
- VOC Compliant



PAGE 24 ASI PRODUCT CATALOG

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.



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 keytone 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.

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

Helps To Remove

- Polysulfide Sealants/Adhesives
- Silicone Sealants/Adhesives
- Polyurethane Sealants/Adhesives
- Polyether Sealants/Adhesives
- Solvent Based Sealants Adhesives
- Hybrid Sealants/AdhesivesButyl 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





ASI® PRODUCTS ARE TRUSTED BY PROFESSIONALS EVE

Appliance Manufacturing

Aquarium Manufacturing/Construction

Aquarium Repair

Automotive

Circuit Board Protection

Cold Storage

Concrete

Concrete Joint Sealant

Countertop Installation

Disconnect Junctions In Electronic Wiring

Door Installation

Electrical Connection

Electronics

Faux Rock/Panel Installation

Fireplace & Hearth

Food Service

Formed-in-Place Gasket (FIPG)

General & Commercial Construction

General Industrial

Gutter Installation

HVAC Applications

Industrial

Insulation

Kitchen & Bath Remodel

Landscape Brick & Paver

Manufactured Housing

Manufactured housing

Masonry Applications

Metal Fabrication/Building

Mirror Installation

Panel Assembly Adhesive

Panel Installation

Plumbing

Precast Concrete

Roof (Bows)

Roofing Installation

Shower Panels & Installation

Siding Installation

Sink Installations

Solar Panel Installation

Telecommunications

Trailer & RV Manufacturing

Transportation/R.V./Mobile Home

Tub & Tile

Waterproofing

Window Installation

Window Manufacturing

And More



Call (800) 325-7040 or visit americansealantsinc.com



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