American Sealants, Inc.

"High Performance Silicones, Sealants, and Adhesives"

1987-2017 CELEBRATING 30 YEARS

TECHNICAL DATA SHEET

ASI 335 Neutral Cure RTV Silicone

Features

- Non-Corrosive
- Advanced Adhesion Properties
- Low Odor
- Resistant to UV Degradation And Weathering
- Resists Extreme Temperatures & Chemicals
- One-Component, Easy To Use Formulation
- 25% Joint Movement Capability
- Mold & Mildew Resistant

Additional Features

- 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)

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.

Physical Properties	Test Method	Result
Viscosity	ASI Test Method	920,000 cps (Spindle 7, 4rpm)
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	0°F to 120°F
Gun Grade	ASI Test Method	Pass (Non-Slump)
QUV Testing	ASTM G26	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: 0°F to 150°F. ASI 335 can be used at temperatures higher than 400°F for intermittent periods. Testing should be done to confirm temperature requirements are met.

MADE IN ★ THE ★ USA

Information on this data sheet can change without notice and it is therefore not recommened 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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Common Applications:

ASI 335 is an excellent sealant/adhesive for many Commercial, Industrial and Construction applications. Such applications include:

- Walk-In Freezer Manufacturing & Installation
- RV & Trailer Manufacturing
- Vinyl, Metal & Aluminum Siding & Roofing
- Fiberglass Waterproof Sealing
- Industrial Manufacturing Applications
- Concrete Joint Sealant
- HVAC Applications
- Glass Glazing
- Lead Wire Entry Installation
- Sheet Metal Work & Sealing
- Marine Applications
- General Sealing & Bonding Applications
- ***Can be used for additional applications not listed. ASI recommends testing prior to use.***

Directions

ASI 335 is ready to use and requires no mixing or additives. Tooling, if necessary, should be done before skinning takes place. In applications where partial or total confinement of sealant is prevalent, the time required for proper cure is generally lengthened by the degree of confinement. Higher temperature and higher humidity will accelerate skin & cure time. Cold temperatures and low humidity will slow down skin & cure time.

Clean Up

Wet adhesive can be cleaned with ASI 0240 Adhesive Remover & Cleaner. Dry sealant can be removed by abrading or scraping with aid from ASI 0240. See ASI 0240 TDS for more information.

Colors

ASI 335 is available in clear, white, black, aluminum. Additional colors can be available for purchase. Inquire to ASI sales staff for additional information.

Packaging

ASI335 is stocked in cartridges, pails and drums. It can also be packaged into quart cartridges, sausage packs, semcos and pouches. Inquire to ASI sales staff for additional information.

Caution/Safety

Please refer to the SDS for the corresponding product for information regarding safety and handling.

Limitations

Do not store at elevated temperatures. Use only on clean surfaces free of contaminants. Cold temperature and low humidity will slow curing. ASI 335 can discolor copper around applied area or confined area.

Common Bonding Substrates:

ASI 335 can be used on a variety of substrates. Please inquire or test your substrates before use. Substrates may vary with manufacturer. We have listed some common substrates:

- Glass
- Concrete, Brick, Mortar
- Marble & Granite
- Most Metals
- Most Types Of Woods
- Most Fiberglass
- Aluminum
- Ceramic
- Natural & Synthetic Fiber
- Most Painted Surfaces
- Some Plastics
- ***Can be used on additional substrates not listed. ASI recommends testing prior to use.***

Surface Preparation

All surfaces should be dry and clean. Alcohol or acetone can be used to clean the surface depending on the substrate. Priming for ASI 335 is not normally required. If a primer is required, please inquire to ASI sales staff. Unprimed adhesion can be easily tested by applying a small trial bead and allowing 7 days for maximum adhesion to occur. If primer is required, contact ASI.

Testing

Test per application requirement. Allow 7 days for maximum strength to develop before testing adhesion or strength.

Storage

When stored at 70°F and 50% RH, ASI 335 has a shelf-life of 12 months in cartridges, squeeze tubes, pails & drums. High temperature and high humidity can significantly reduce shelf-life.

Warranty Limitations

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made. It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application. Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain such authorization. Because the storage, handling and application of the material is beyond ASI's control, we can accept no liability for the results obtained. ASI's sole limited warranty is that the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. ASI will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted. Suggestions of uses should not be taken as inducements to infringe upon any patents.