



TECHNICAL DATA SHEET

ASI 174 Siliconized Acrylic Latex

General Features

- Mold & Mildew Resistant When Cured
- Non-Sag, Use On Vertical Or Overhead Joints
- Resistant to UV Degradation And Weathering
- Bonds To Most Common Building Materials
- Easy To Use, Water Clean Up
- Paintable
- Good Adhesion

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.

Conforms, Meets & Exceeds

- Clear: ASTM C834-05 Type C
- Clear: VOC Compliant
- White: ASTM C920, Class 12.5
- White: TT-S-00230C Class B
- White: VOC Compliant

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	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

Clear applies white and will turn clear within approximately 2 weeks at normal curing conditions. Cooler temperatures & higher humidity will prolong drying.



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.





American Sealants, Inc.

"High Performance Silicones, Sealants, and Adhesives"

Common Applications:

ASI 174 Siliconized Acrylic Latex is an excellent sealant for many Commercial, Industrial and Construction applications. Such applications include:

- Bathroom Installation/Sealing
- Window and Door Interior Sealing
- General Sealing
- General Construction
- Portable Housing Interior Applications
- Countertops
- Trimwork
- Tub and Tile
- Cabinets
- Applications Where Painting is Required
- **Can be used for additional applications not listed. ASI recommends testing prior to use.**

Directions

ASI 174 is ready to use and requires no mixing or additives. Tooling, if necessary, should be done 10 minutes within application. Joints exceeding 1" in depth will require use of a foam joint filler. Masking tape can be used to help obtain a cleaner joint but should be removed within 40 minutes of application. Do not use when temperatures are below 40°F. Recommended application temperature is between 40°F to 90°F.

Clean Up

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

Colors

ASI 174 is available in white & clear. Additional colors are available to be purchased in batch volumes. Inquire to ASI sales staff for additional information.

Packaging

ASI 174 is stocked in 10.2 oz. caulking cartridges. It can also be packaged into sausage packs, quart cartridges, pails and drums. 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 high humidity will slow curing (40°F and below will be most significant). ASI does not recommend using when temperatures are below 40°F. If you are unsure about your specific paint, test before application. Allow treated wood & asphalt to cure 6 months before application. Allow new concrete to cure 30 days before applying sealant. Do not use in applications below waterline. ASI 174 will pass 5 freeze thaw cycles without harm of product. Prevention of continual freezing and thawing is required to maintain quality.

Common Bonding Substrates:

ASI 174 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:

- Ceramics
- Glass
- Granite
- Marble
- Some Metals
- Most Woods
- Some Plastics
- Porcelain
- Porous Surfaces (Concrete, Brick, Etc.)
- **Can be used on additional substrates not listed. ASI recommends testing prior to use.**

Surface Preparation

All surfaces should be clean and dry. Unprimed adhesion can be easily tested by applying a small trial bead and allowing 7-14 days for maximum adhesion to occur (depending upon conditions). If primer is required, contact ASI.

Testing

Test per application requirement. Allow 7-14 days (depending upon conditions) for maximum strength to develop before testing adhesion or strength.

Storage

When stored at 70°F and 50% RH, ASI 174 has a shelf-life of 12 months in cartridges. When stored at 70°F and 50% RH, ASI 174 has shelf-life of 12 months in pails and drums. High temperature and high humidity can significantly reduce shelf-life. Protect the product from freezing.

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.