

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.