

## AF ROOFERS Neutral Cure Clear 100% RTV Silicone

33THAF1042

### TECHNICAL DATA SHEET

#### 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

**THICC AF ROOFERS Clear Neutral Cure 100% 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, THICC AF ROOFERS Clear offers advanced adhesion to a variety of surfaces including porous substrates, vinyl, some plastics, fiberglass, metals, woods and more. THICC AF ROOFERS Clear 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. THICC AF ROOFERS Clear 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	1,096,000 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	-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. National Adhesive recommends testing strength and adhesion on the 7th day. THICC AF Roofers suggested application temperature range: -35°F to 150°F. THICC AF Roofers 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.



## AF ROOFERS

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### Common Applications:

THICC AF ROOFERS Clear is an excellent sealant/adhesive for many Commercial, Industrial and Construction applications.

Such applications include:

- Vinyl, Metal & Aluminum Siding & Roofing
- Sheet Metal Work & Sealing
- General Sealing & Bonding Applications
- Concrete Joint Sealant
- Fiberglass Waterproof Sealing
- Rv & Trailer Manufacturing
- Industrial Manufacturing Applications
- Hvac Applications
- Glass Glazing
- Glass Block Installation
- Marine Applications
- Walk-in Freezer Manufacturing & Installation
- **Can be used for additional applications not listed.**

*We recommend testing prior to use.*

### Directions

THICC AF ROOFERS Clear 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. Please view [www.thiccglue.com](http://www.thiccglue.com) for more info.

### Clean Up

Wet adhesive can be cleaned with a solvent Dry sealant can be removed by abrading or scraping.

### Colors

THICC AF ROOFERS is available in clear, white, black, aluminum. Additional colors can be available for purchase. Inquire to National Adhesive's sales staff for additional information.

### Packaging

THICC AF ROOFERS is stocked in cartridges, pails and drums. Additional packaging may be available upon request. Inquire to National Adhesive's 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. THICC AF Roofers Clear can discolor copper around applied area or confined area.

### Common Bonding Substrates:

THICC AF ROOFERS Clear 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.**

*We recommend 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 THICC AF ROOFERS Clear is not normally required. If a primer is required, please inquire to National Adhesive's 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 National Adhesive.

### 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, THICC AF ROOFERS 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 National Adhesive Inc control, we can accept no liability for the results obtained. National Adhesive Inc 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. National Adhesive Inc 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.*