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## Permatex 81160

# Permatex 81160 High-Temp Red RTV Silicone Gasket User Manual

Model: 81160 | Brand: Permatex

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## 1. PRODUCT OVERVIEW

The Permatex 81160 High-Temp Red RTV Silicone Gasket Maker is a specialized sealant designed for heavy-duty applications requiring resistance to extreme temperatures. This product forms reliable gaskets that can withstand intermittent temperatures ranging from **-65°F to 650°F (-54°C to 343°C)**.

It is formulated to create durable, flexible, and waterproof seals for various automotive and industrial repair needs.





Image 1.1: Permatex 81160 High-Temp Red RTV Silicone Gasket tube. This image shows the product packaging, highlighting the brand, product name, and key features.

## 2. SAFETY INFORMATION

Always read and understand all safety precautions before using this product. Use personal protective equipment as required.

### 2.1. Precautionary Statements - Prevention

- Contains: Calcium carbonate, Iron oxide.

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.

## 2.2. Precautionary Statements - Response

- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
- **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing before reuse.

## 2.3. Precautionary Statements - Storage

- Protect from sunlight.
- Store in a well-ventilated place.
- Store locked up.
- Keep out of the reach of children.

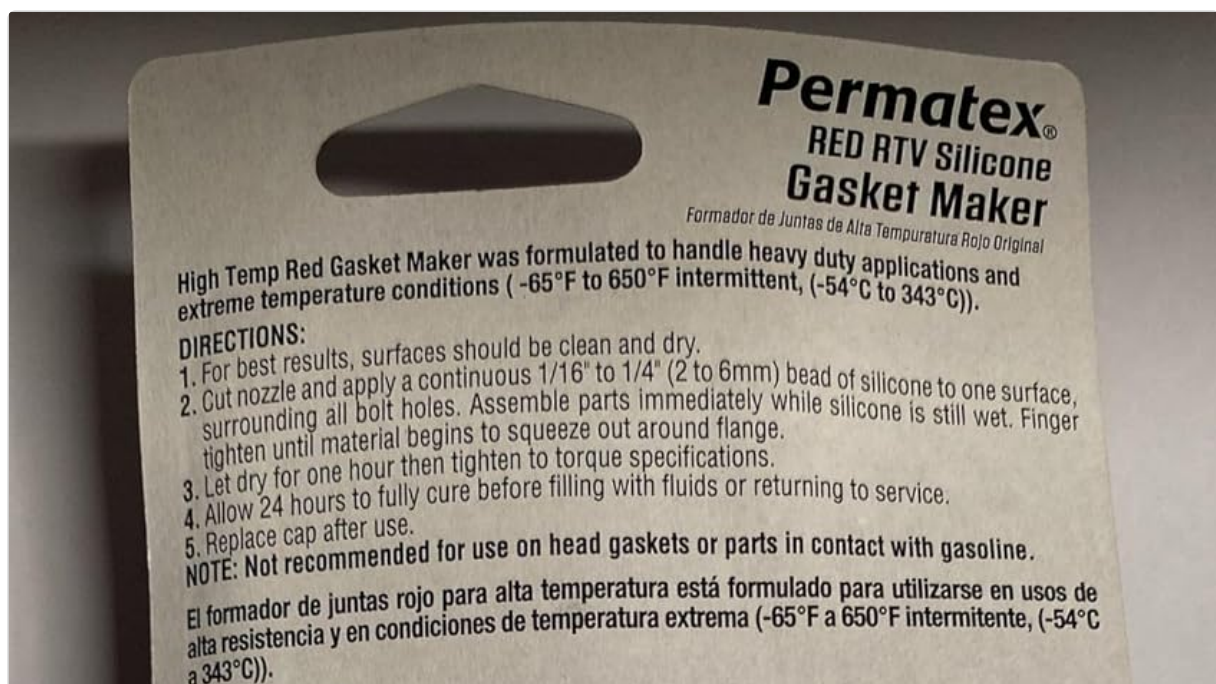
## 3. SETUP

### 3.1. Surface Preparation

For optimal results, ensure that all surfaces where the gasket maker will be applied are **clean and dry**. Remove any old gasket material, grease, oil, or other contaminants that could interfere with adhesion.

## 4. APPLICATION INSTRUCTIONS

1. **Prepare Nozzle:** Cut the nozzle to the desired bead size.
2. **Apply Gasket Maker:** Apply a continuous bead of silicone, approximately **1/16" to 1/4" (2 to 6mm)** thick, to one surface. Ensure the bead surrounds all bolt holes.
3. **Assemble Parts:** Immediately assemble the parts while the silicone is still wet.
4. **Initial Tightening:** Finger tighten the assembly until the material begins to squeeze out around the flange.



#### INSTRUCCIONES:

1. Para obtener mejores resultados, las superficies deben estar limpias y secas.
2. Corte la boquilla y aplique una línea continua de 1/16" a 1/4" (2 a 6mm) de silicona en una superficie, rodeando todos los orificios de los pernos. Arme las piezas inmediatamente mientras la silicona esté aún fresca. Ajuste con la mano hasta que el material salga por los bordes.
3. Deje secar por una hora y luego ajuste conforme a las especificaciones.
4. Deje secar durante 24 horas para que se seque totalmente antes de llenar con líquidos o volver a utilizar.
5. Vuelva a tapar.

**NOTA: No se recomienda su uso en juntas de culata ni en piezas que están en contacto con gasolina.**

**Precautionary Statements - Prevention:** Contains: Calcium carbonate, Iron oxide. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. **Precautionary Statements - Response: IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. **Precautionary Statements - Storage:** Protect from sunlight. Store in a well-ventilated place. Store locked up. **Precautionary Statements - Disposal:** Dispose of contents/container to an approved waste disposal plant. **Keep out of the reach of children.**

**Consejos de prudencia - Prevención:** Contiene: Carbonato de calcio, Oxido de hierro (III). Pedir instrucciones especiales antes del uso. No manipular la sustancia antes de haber leído y comprendido todas las instrucciones de seguridad. Utilizar el equipo de protección individual obligatorio. **Consejos de prudencia - Respuesta: EN CASO DE CONTACTO CON LOS OJOS:** Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. Si persiste la irritación ocular: Consultar a un médico. **EN CASO DE CONTACTO CON LA PIEL:** Lavar con agua y jabón abundantes. En caso de irritación o erupción cutánea: Consultar a un médico. Lavar las prendas contaminadas antes de volver a usarlas. **Consejos de prudencia - Almacenamiento:** Proteger de la luz del sol. Almacenar en un lugar bien ventilado. Guardar bajo llave. **Consejos de prudencia - Eliminación:** Eliminar el contenido/el recipiente en una planta de eliminación de residuos autorizada. **Mantener fuera del alcance de los niños.**

UFI: AKTH-MOX5-8005-CN5M

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[www.permatex.com](http://www.permatex.com)

Item# 81160 30-81160-3

Importador y Lote: Ver Envase  
QP323



Image 4.1: Example of Permatex 81160 High-Temp Red RTV Silicone Gasket application. This image illustrates the product being applied as a continuous bead on a surface.

## 5. CURING AND FINISHING

5. **Initial Dry Time:** Allow the gasket maker to dry for **one hour**.
6. **Final Tightening:** After the initial dry time, tighten the assembly to the manufacturer's specified torque.
7. **Full Cure Time:** Allow **24 hours** for the gasket maker to fully cure before filling with fluids or returning the component to service.

## 6. MAINTENANCE

## 6.1. Product Storage

After each use, **replace the cap securely** to prevent the product from drying out. Store the tube in a cool, dry, well-ventilated area, away from direct sunlight and out of reach of children.

## 7. TROUBLESHOOTING AND LIMITATIONS

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**Important Note:** This product is **NOT recommended** for use on head gaskets or on parts that will come into direct contact with gasoline. Using the product in these applications may lead to product failure and potential damage.

## 8. PRODUCT SPECIFICATIONS

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Feature	Detail
Product Name	Permatex High-Temp Red RTV Silicone Gasket Maker
Model Number	81160
Brand	Permatex
Material	Silicone
Color	Red
Temperature Range (Intermittent)	-65°F to 650°F (-54°C to 343°C)
Full Cure Time	24 Hours
Item Volume	3 Fluid Ounces
Water Resistance Level	Waterproof
UPC	686226811608

## 9. DISPOSAL INFORMATION

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Dispose of contents and container in accordance with local regulations and to an approved waste disposal plant. Do not dispose of in household waste.

## 10. CONTACT AND SUPPORT

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For further assistance or inquiries, please contact Permatex:

**Manufacturer:** Permatex Chemicals, a division of ITW

**Address:** Solon, OH 44139, USA

**Toll Free:** [866-732-9502](tel:866-732-9502)

**Website:** [www.permatex.com](http://www.permatex.com)

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## 11. WARRANTY INFORMATION

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Specific warranty details for Permatex products are typically available on the manufacturer's official website or by contacting their customer support directly. Please refer to [www.permatex.com](http://www.permatex.com) or call 866-732-9502 for the most current warranty information.