

Permatex 81160

Permatex 81160 Hi-Temp Red Form-A-Gasket Silicone Sealant User Manual

Model: 81160

PRODUCT OVERVIEW

The Permatex 81160 Hi-Temp Red Form-A-Gasket Silicone Sealant is a high-performance silicone gasket maker designed for high-temperature applications and heavy-duty use. It forms a durable, flexible, and waterproof seal, resisting temperatures from -65°F to 650°F (-54°C to 343°C) intermittently. This product is ideal for creating formed-in-place gaskets or sealing pre-cut gaskets in various automotive and industrial applications.





Image: Permatex 81160 Hi-Temp Red Form-A-Gasket Silicone Sealant tube. This image shows the product packaging, a red tube of sealant with the Permatex logo and product name.

SAFETY INFORMATION

Read all safety precautions before use. Do not handle until all safety instructions are understood.

Prevention:

- Contains: Calcium carbonate, iron oxide.
- Obtain special instructions before use.
- Use personal protective equipment as required.

Response:

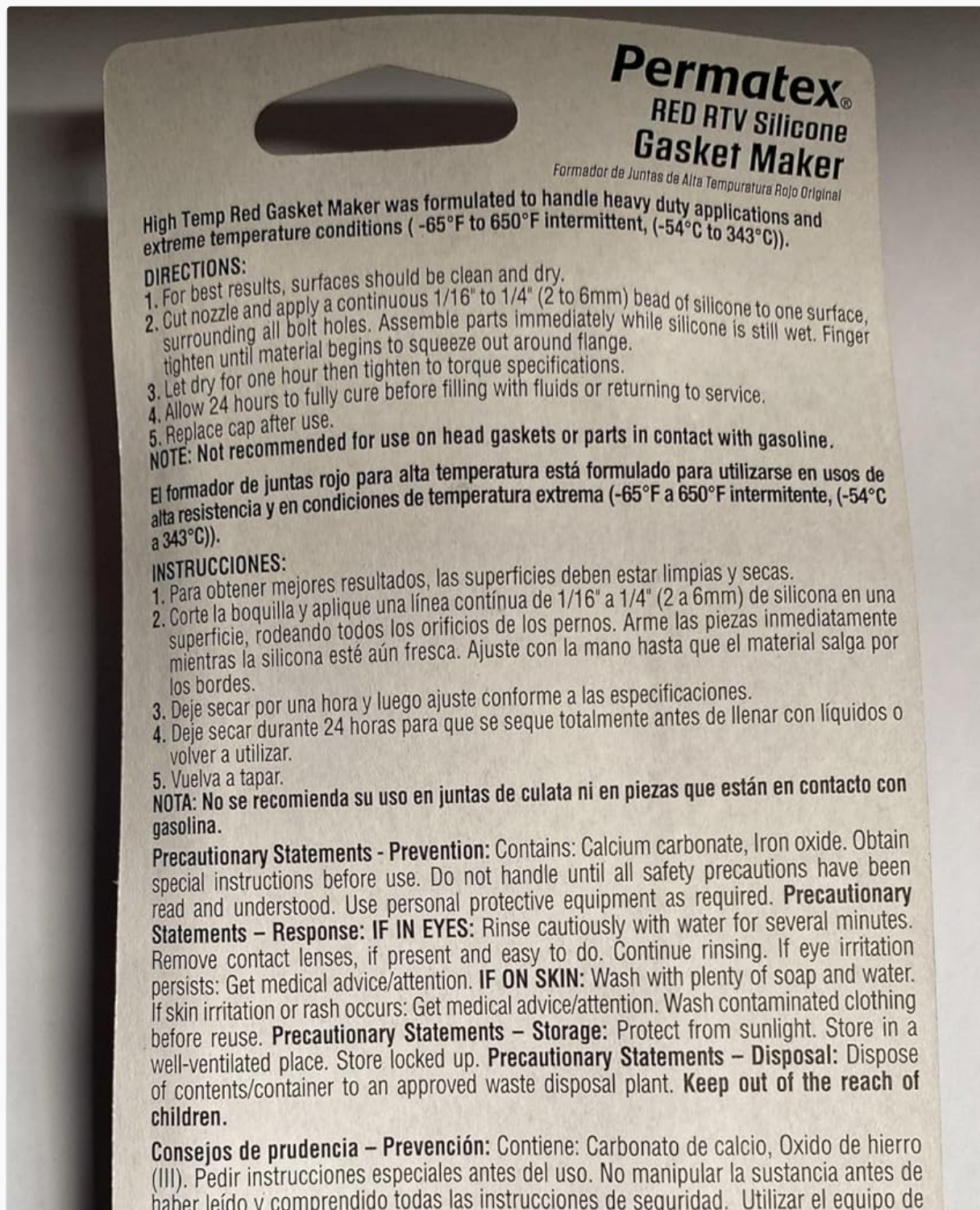
- **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- **IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.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

Storage:

- Protect from sunlight.
- Store in a well-ventilated place.
- Store locked up.

Disposal:

- Dispose of contents/container to an approved waste disposal plant.
- Keep out of the reach of children.



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 medico. **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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Toll Free: 866-732-9502. Assembled in U.S.A. with U.S.
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materiales importados a nivel mundial.

www.permatex.com
Item# 81160 30-81160-3
Importador y Lote: Ver Envase
QP323



Image: Back of Permatex 81160 packaging. This image displays the detailed safety warnings, directions for use, and precautionary statements in English and Spanish.

APPLICATION INSTRUCTIONS

Preparation:

1. For best results, ensure surfaces are clean and dry.

Application:

2. Cut the nozzle to the desired bead size (typically 1/16" to 1/4" or 2 to 6mm).
3. Apply a continuous bead of silicone to one surface, ensuring it surrounds all bolt holes.
4. Assemble parts immediately while the silicone is still wet.
5. Finger tighten until material begins to squeeze out around the flange.

Curing and Finishing:

5. Allow the sealant to dry for one hour, then tighten to torque specifications.
6. Allow 24 hours for the sealant to fully cure before filling with fluids or returning to service.
7. Replace the cap after use to prevent drying.

NOTE: Not recommended for use on head gaskets or parts in contact with gasoline.



Image: Formed-in-Place Gasket. A hand applies Permatex sealant to an engine component, demonstrating the application process for creating a gasket.

SUGGESTED APPLICATIONS

Permatex 81160 Hi-Temp Red Form-A-Gasket Silicone Sealant is suitable for a variety of high-temperature and heavy-duty applications, including:

- Valve covers
- Oil pans
- Timing covers
- Water pumps
- Thermostat housings
- Transmission pans



Image: Suggested Applications. This banner image shows various engine components like valve covers and water pumps, highlighting the sealant's intended uses.

SPECIFICATIONS

Feature	Specification
Material	Silicone
Color	Red
Item Form	Liquid
Unit Count	3.0 Fluid Ounces
Temperature Resistance	-65°F to 650°F (-54°C to 343°C) intermittent
Water Resistance Level	Waterproof
Item Model Number	81160
Manufacturer Part Number	81160
Country of Origin	China

TROUBLESHOOTING

If you encounter issues during or after application, consider the following:

- **Leakage:** Ensure surfaces were thoroughly cleaned and dried before application. Verify that a continuous bead was applied and that parts were assembled while the silicone was still wet. Allow the full 24-hour cure time before exposing to fluids or service.
- **Poor Adhesion:** Surface preparation is critical. Ensure all oil, grease, and old gasket material are removed. The sealant may not adhere properly to contaminated surfaces.
- **Curing Issues:** Ensure the product was stored correctly and is within its shelf life. Proper ventilation during curing is also important.

For persistent issues, refer to the Permatex website or contact customer support.

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or frequently asked questions, please visit the official Permatex website or contact their customer service department. Keep your purchase receipt for any warranty claims.
