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› [DAP 08010 80102 HVAC Professional 100% RTV Silicone Sealant User Manual](#)

DAP 08010

DAP 08010 80102 HVAC Professional 100% RTV Silicone Sealant User Manual

Model: 08010 | Brand: DAP

1. PRODUCT OVERVIEW

The DAP 08010 80102 HVAC Professional 100% RTV Silicone Sealant is a high-performance, versatile sealant designed for both indoor and outdoor applications. This professional-grade silicone provides a durable, flexible, and weather-resistant seal, making it ideal for HVAC systems and other sealing needs. It is formulated to withstand extreme temperatures, ranging from -40°F to 475°F, ensuring long-lasting performance without cracking or shrinking.



Image 1.1: A white cartridge of DAP HVAC Professional 100% RTV Silicone Sealant. The label indicates it is suitable for HVAC, interior/exterior use, and is weather resistant, with a temperature range of -40°F to 475°F.

2. SAFETY INFORMATION

Always read and understand the product label and Safety Data Sheet (SDS) before use. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 Warning). Adhere to the following safety precautions:

- **Ventilation:** Use in a well-ventilated area. If adequate ventilation is not available, use appropriate respiratory protection.
- **Skin Contact:** Avoid prolonged or repeated skin contact. Wear protective gloves (e.g., nitrile or butyl rubber) when handling. In case of contact, wash thoroughly with soap and water.
- **Eye Contact:** Avoid eye contact. Wear safety glasses or goggles. In case of contact, flush eyes immediately with plenty of water for at least 15 minutes and seek medical attention.
- **Ingestion:** Do not ingest. If swallowed, do not induce vomiting. Call a poison control center or doctor immediately.
- **Flammability:** Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
- **Storage:** Store in a cool, dry place, away from direct sunlight and incompatible materials. Keep container tightly closed.

when not in use.

- **Children and Pets:** Keep out of reach of children and pets.

3. SETUP AND SURFACE PREPARATION

Proper surface preparation is critical for optimal adhesion and performance of the sealant.

1. **Clean Surfaces:** Ensure all surfaces to be sealed are clean, dry, and free of dirt, dust, grease, oil, old sealant, and any loose debris. For best results, clean non-porous surfaces with a suitable solvent (e.g., isopropyl alcohol) and allow to dry completely.
2. **Temperature:** Apply when surface and air temperatures are between -40°F and 120°F (-40°C and 49°C). For best results, apply at room temperature.
3. **Prepare Cartridge:** Cut the nozzle at a 45-degree angle to the desired bead size. Puncture the inner seal at the base of the nozzle.
4. **Load into Caulk Gun:** Insert the prepared cartridge into a standard caulk gun.

4. OPERATING INSTRUCTIONS (APPLICATION)

Follow these steps for effective application of the silicone sealant:

1. **Apply Sealant:** Apply a continuous, even bead of sealant into the joint or gap, ensuring full contact with both sides of the substrate. Push the sealant ahead of the nozzle to ensure it fills the void completely.
2. **Tooling:** Tool the sealant immediately after application, before a skin forms (typically within 5-10 minutes). Use a tooling stick or gloved finger to smooth the bead and ensure good contact with the joint surfaces. Remove excess sealant.
3. **Curing Time:** The sealant will skin over in approximately 10-20 minutes and will be tack-free in about 30 minutes. Full cure typically occurs within 24 hours, depending on bead size, temperature, and humidity. Allow sufficient time for full cure before exposing to heavy stress or water.
4. **Cleanup:** Clean tools and uncured sealant immediately with mineral spirits or a similar solvent. Cured sealant must be cut or scraped away.

5. MAINTENANCE AND STORAGE

Once cured, the DAP 100% RTV Silicone Sealant requires minimal maintenance due to its durable and flexible nature. Periodically inspect sealed areas for any signs of wear or damage and reapply if necessary.

Storage:

- Store unused sealant cartridges in a cool, dry place, away from direct sunlight and extreme temperatures.
- Ensure the nozzle is tightly capped or sealed to prevent air exposure and premature curing.
- Shelf life is typically 12 months from the date of manufacture when stored properly.

6. TROUBLESHOOTING

If you encounter issues during or after application, consider the following common problems and solutions:

- **Poor Adhesion:**
 - *Cause:* Surfaces were not clean, dry, or free of contaminants.
 - *Solution:* Ensure surfaces are thoroughly cleaned and dried before application. Some porous surfaces may benefit from a primer (consult DAP technical data if unsure).
- **Slow Curing or Non-Curing:**

- *Cause:* Insufficient humidity, low temperature, or excessive bead size.
 - *Solution:* Silicone sealants cure by reacting with atmospheric moisture. Ensure adequate ventilation and humidity. Apply within recommended temperature ranges. For very large gaps, consider applying in layers or using a backer rod.
- **Sealant Cracking or Shrinking:**
- *Cause:* Extreme joint movement, improper application, or product past shelf life.
 - *Solution:* Ensure proper joint design allows for movement. Apply a sufficient amount of sealant. Check product expiration date.

7. SPECIFICATIONS

Attribute	Value
Brand	DAP
Model Number	08010
Material	100% RTV Silicone
Color	White
Item Weight	12.16 ounces (approx. 345 grams)
Product Dimensions (L x W x H)	6 x 8 x 12 inches (approx. 15.24 x 20.32 x 30.48 cm)
Volume	10.3 Fl-Oz (305 mL)
Temperature Resistance	-40°F to 475°F (-40°C to 246°C)
Water Resistance Level	Water Resistant
Item Form	Paste
UPC	070798080102

8. DISPOSAL INFORMATION



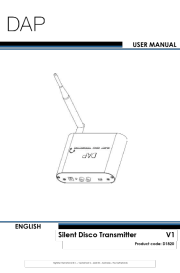
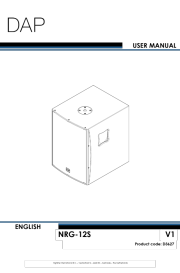
Dispose of unused product and empty containers in accordance with all local, state, and federal regulations. Do not dispose of liquid sealant down drains or into waterways. Allow unused sealant to cure in the cartridge before disposal, if possible. Consult your local waste management authority for specific disposal guidelines for silicone sealants.

9. WARRANTY AND SUPPORT

DAP products are manufactured to high-quality standards. For specific warranty information or technical support regarding the DAP 08010 80102 HVAC Professional 100% RTV Silicone Sealant, please refer to the product packaging or visit the official DAP website. You can also find more information and contact details at the [DAP Store on Amazon](#).



Related Documents - 08010

	<p>DAP Foam Sealant: Application, Safety, and Technical Guide</p> <p>Comprehensive guide to using DAP foam sealant, covering specifications, safety precautions, preparation, application techniques, storage, reuse, disposal, and warranty information.</p>
	<p>DAP CDI-160BT Quick Start Guide: CD/Media Player with DAB+, FM, Internet Radio</p> <p>Concise guide to installing, setting up, and operating the DAP CDI-160BT, a professional 19-inch rack-mountable CD and media player with DAB+, FM, and internet radio capabilities. Includes safety, specifications, and maintenance information.</p>
	<p>DAP Silent Disco Transmitter User Manual (D1820)</p> <p>Comprehensive user manual for the DAP Silent Disco Transmitter (Model D1820) by Highlite International, covering setup, operation, safety, maintenance, and troubleshooting for professional silent disco events.</p>
	<p>DAP NRG-12S Passive Subwoofer User Manual</p> <p>Comprehensive user manual for the DAP NRG-12S passive 12-inch subwoofer, covering safety, installation, operation, maintenance, and troubleshooting.</p>
	<p>DAP DPS-640 6.5" 40W Pendant Speaker User Manual</p> <p>User manual for the DAP DPS-640 6.5" 40W Pendant Speaker, covering installation, setup, safety, maintenance, and troubleshooting. Designed for 70/100V line or conventional audio installations.</p>



FRIGGA
Product code: D3880
Single active column PA system (black)

[DAP FRIGGA D3880 Active Column PA System User Manual](#)

User manual for the DAP FRIGGA D3880 single active column PA system. Covers setup, installation, operation, safety, troubleshooting, and specifications for professional audio use.