

Product Description

HARRIS Silicone Adhesive Sealant is a general purpose, single component, room temperature vulcanizing

(RTV) compound. Upon curing from the exposure to moisture in the air, this non-sagging paste forms a tough, flexible, waterproof seal of silicone rubber, which resists aging, weathering and thermal cycling without hardening, shrinking or cracking.

Features & Benefits

- Easy to use – one part, no mixing required. Can be dispensed with an ordinary caulking gun.
- Non-slumping; can be used in vertical, horizontal, & overhead joints.
- Cures to a strong, flexible seal with superior adhesion.
- Acetic Cure; Fast Cure.
- Can be applied in any season.
- Excellent resistance to weathering, vibration, moisture, ozone, temperature extremes, airborne pollutants, cleaning detergents and many solvents.
- Extensive range of colors: Clear, White and Black, Champagne, Red, Gray, and more.

Applications

HARRIS RTV Silicone Sealant is ideal for sealing, bonding, and mending in various places e.g. filling/sealing gaps in aluminum windows, around bathroom and kitchen fittings, boards, signs, & fixing leaking plumbing etc.

Other ideal applications include:

- ▶ Metal (including aluminum)
- ▶ Automotive & Engine Sealing
- ▶ Glass
- ▶ Wood
- ▶ Plastic
- ▶ Ceramics
- ▶ Painted surfaces



Limitations

- Do not use for structural glazing.
- Not recommended for continuous water immersion applications.
- Not recommended for joints exceeding $\pm 25\%$ movement.
- Not recommended for use on polycarbonate plastic sheeting. Suitability for use on other types of plastic should be tested prior to application.
- Not suitable for bitumen, polyethylene, polypropylene, PTFE and acrylic fibre.
- Do not use in the sealing or construction of aquariums.
- Sealant is not paintable.
- Do not apply at temperatures below -5°C .
- Do not use in the manufacture of Insulated Glass (IG) Units.
- Sealant is not fire proof and should not be used for internal fire proofing purposes.
- Sealant cures by contact with moisture vapor in the air. Not recommended for use in closed or confined areas & should be used in well ventilated areas.

Directions for application

∞ Surface preparation

- Surfaces coming into direct contact with HARRIS Silicone Sealant must be clean, dry, free from materials; dust, dirt, oil, rust and any other contaminants
- Non-porous substrates such as metals, glass and plastics should be degreased with a solvent.
- Incorrect surface preparation may result in an adhesion failure of the silicone sealant.

∞ Directions for use

- Ensure surfaces are ready for application with method listed above.
- Cut tip off cartridge and screw nozzle onto cartridge. Tight fit nozzle is attached to the cartridge. Cut the tip of nozzle at an angle to achieve the desired bead size.
- Insert the HARRIS silicone sealant cartridge into any standard silicone caulking gun.
- To apply silicone depress the trigger to allow silicone to flow onto surface.
- Apply silicone with a caulking gun in a continuous bead to the prepared area.
- It is recommended to apply masking tape to adjacent surfaces. This way once silicone application is completed the masking tape can be removed eliminating any excess sealant on the surface.



- Smooth down after application (within 5 minutes) before skin formation occurs, by using a flat or rounded tool.
- Sealant will be touch dry within 1hr and reaches full cure after approximately 24hrs

Properties of uncured material

	Typical Value
Chemical Type	Acetoxy silicone rubber
Appearance	non-sag paste
Odor	Mild acetic
Specific Gravity	0.97
Tooling Time	5-7 mins
Tack Free Time	15 mins
Shelf Life	Atleast 12 months from date of manufacture

Properties of cured material

After 7 days at 25°C (77_F)

	Typical Values
Hardness (Shore A)	22
Elongation at break	% 400
Tensile Strength, (psi)	1.5



Our advice is based on our research and practical experience. However, in view of the large variety of materials and the conditions under which our products may be applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.

