



Conductive Silicone

Waterproof [Indoor/Outdoor]

Nanotechnology

Thank you for choosing our highly conductive, water-resistant Silicone! We are delighted to share our innovative nanotechnology with you, designed to transform your projects and industry. Our silicone offers high conductivity, flexibility, durability, adhesion and water resistance properties, making it ideal for both indoor and outdoor applications. We truly appreciate your trust in our product and are excited to support you in your future endeavors.

Instructions for optimal conductivity results:

- Thoroughly clean the surface of dust, dirt, and grease before applying the silicone. Sanding the surface with fine-grit sandpaper will ensure stronger adhesion.
- **Shake the bottle well before using.**
- Turn the bottle tip counter clockwise to open it.
- Apply the silicone on the targeted area and smooth it with the spatulas provided in the product box.
- It is very important to allow the silicone to dry at 72°F for 24 hours for full cure before using.
- As a best practice technique, it's good to apply a thin, even layer and allow it to cure.
- In some cases, especially with thicker applications or low humidity, the surface may feel slightly **tacky** after 24 hours. This is normal — allow additional time (up to 48 hours) for full curing.

Tip: To help speed up the curing process, lightly mist the surface with a few drops of water after application. This activates the silicone's moisture cure and can reduce tackiness faster. Avoid mixing water into the silicone itself.

- When the silicone dries, it is possible to form a very thin layer of powder residue, which you can wipe out with a soft tissue.
- **The silicone will achieve the highest conductivity, flexibility water resistivity and durability once it is completely dry.**
- **The silicone can be used for indoor and outdoor applications.**

Storage and usage instructions:

- Store this product in cool, dry and dark place and away from sparks, heat or fire.
- Shake the bottle before use for 60 seconds to achieve optimal performance.
- This product can be cleaned by water and soap before it fully cured. If cured use acetone to remove it.
- If the silicone is dry in the bottle, add a few drops of acetone and mix for 5 minutes.
- To prevent the silicone from drying out or spilling, ensure the bottle tip is securely closed after each use.

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Manufactured in the USA for SilexCore INC.





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- This product is not designed for use with electrical sources exceeding 12 volts DC or 50 milliamps.
- Use this product in accordance with the battery/power source manufacturers' instructions.
- Suitable for both indoor and outdoor projects. For outdoor use, ensure the silicone won't be exposed to severe physical stress.

Safety and Health Risk warning and information:

- Not for ingestion. In case of ingestion, drink plenty of water. Do not induce vomiting. Rinse mouth and contact a healthcare professional immediately.
- In case of eye contact, immediately rinse eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.
- If product gets on your skin, wash thoroughly with soap and water.
- In accordance with safety regulations, this product should always be used in well-ventilated areas.
- Keep away from children. Minors under the age of 18 should be supervised by an adult while using this product.
- This product is flammable; keep it away from sparks, heat and fire.
- To minimize the risk of electrical shocks or shorts, apply a protective insulation layer to the silicone surface immediately after it dries.

Suitable for:

- **Surfaces:** Silicone, rubber, flexible surfaces, Paper, cardboard, plastic, glass, wood, drywall, metals.
- **Applications:** Repairing silicone and rubber buttons in remote controls, game controllers, keypads. In addition, it can be used to repair conductive trace, electronic prototyping, Electrode designing, sealing and bonding electronic components while maintaining conductivity, creating flexible conductive traces for wearable electronics and sensors, EMI shielding for silicone based enclosures and flexible electronics.

Conductivity:

Electrical conductivity: This material has an electrical conductivity ranging from 5Ω/sq to 35 Ω/sq (ohms per square), a measure of sheet resistance. While thickness and surface tension influence the conductivity, other factors such as temperature and material composition can also play a role.

For detailed safety information, please refer to the product Safety Data Sheet (SDS) on our website.

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