



Conductive Paint

[Nanotechnology]

Thank you for choosing our highly conductive paint! We are thrilled that you recognize the innovative power of nanotechnology and its potential to revolutionize your industry. Our paint is designed to provide exceptional conductivity, durability, and performance. We appreciate your trust in our product and look forward to supporting your future projects.

Instructions for optimal conductivity results:

- Clean and prepare the surface well before applying the paint.
- User soft brush or roller.
- Make your paint rich and thick.
- Avoid brush stroke's voids and empty lines; this will highly affect the conductivity of your paint.
- For each layer, we recommend applying three strokes of paint using the dip-and-stroke method.
- Each layer requires 24 hours to dry at 72°F. For faster drying, you can use a heat gun or hair dryer. Our tests have shown that this method does not compromise the paint's conductivity.
- The paint will achieve the **highest conductivity** once it is completely dry.

Storage and usage instructions:

- Store the paint in cool, dry and dark place.
- Mix the paint before use for 60 seconds to achieve optimal conductivity.
- This product is water-based paint, and can be removed easily with soap and water or with (Rubbing Alcohol).
- If the paint is dry, add a few drops of 70% isopropyl alcohol (Rubbing Alcohol) and mix for 5 minutes.
- To prevent the paint from drying out or spilling, ensure the container lid is securely closed after each use.
- It is important to clean any paint on the container's rim before closing it.
- This product is not designed for use with electrical sources exceeding 12 volts DC or 50 milliamps.
- Use the paint in accordance with the battery/power source manufacturers' instructions.
- For **indoor** use only. Not intended for outdoor applications. Explore our other products designed for outdoor use.

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, paints should always be used in well-ventilated areas.
- Children under the age of 14 should be supervised by an adult while using this product.
- To minimize the risk of electrical shocks or shorts, apply a protective insulation layer to the painted surface immediately after the paint dries.

Suitable for:

- **Surfaces:** Paper, cardboard, plastic, glass, wood, drywall, metals.
- **Applications:** Electronic circuits printing, repairing conductive trace, electronic prototyping, Electrode designing, shielding electrical guitars/musical instruments and EMF Shielding.

Conductivity:

Test#	Thickness	Min Resistance	Max Resistance
1	20 µm	2.0 Ω/sq	4.0 Ω/sq
2	100 µm	0.5 Ω/sq	1.0 Ω/sq
3	200 µm	0.1 Ω/sq	0.5 Ω/sq

EMF Shielding:

Layer	Attenuation	Effectiveness	Reduction Factor
1	40 dB	99.99%	10,000
2	48 dB	99.9987%	63,096
3	54 dB	99.9996%	251,188

Needs to be grounded to achieve maximum EMF shielding.

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

