



TIFOO

CONDUCTIVE SILVER VARNISH SPRAY

MANUAL

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Application fields

Make synthetic material, glass, ceramics and many other materials conductive. Also usable as decorative varnish for flowers - conservation even of fresh flowers without drying them before.

Using the conductive silver varnish spray

General ideas:

Apply a thin layer of conductive varnish on the cleaned and degreased surface. It is easier to plate on synthetic parts when you spray a synthetic primer on it before. Spray various layers of conductive varnish on the object. Always let the conductive varnish dry before every spraying (5-15 minutes). In order to get rid of solution residues, we recommend that you dry the conductive varnish with a hair dryer before electroplating. The conductive varnish should be shaken well before spraying in order to avoid clumpings.

Pen plating:

Small surfaces can be plated directly after having them dried with pen plating. It is important to only use weak pressure on the varnish in order to avoid scratches. The object should only be connected with the positive pole, but not clamped to it. We recommend copper-plating the object with the copper electrolyte after spraying on the object because the latter can achieve a certain gleam. Afterwards, the copper should be cleaned with our copper cleaner before gilding oder silver-plating. If you electroplate too big surfaces, a galvanic element between the silver and the applied copper can occur and it won't be possible anymore to electroplate the object (staining). This is why the surface should be covered with a thin copper layer before creating a thicker copper layer.

Immersion plating:

The best results of the conductive varnish can be achieved when being copper-plated after spraying. The object has to be so thick that the object gets a wear-resistant layer - dip the object into the copper bath for 30-45 minutes. Before applying other layers, you can polish the copper carefully until it gleams. It is important to spray thoroughly especially the edges and transitions because this is where the conductive varnish is at its most fragile and has a tendency to peel off.

Safety indications

The conductive varnish is inflammable and dangerous for the environment. Keep the conductive varnish far from ignition sources and sparks. Avoid electrostatic charges. The conductive varnish must not get into the sewage and please dispose of the dried residues as hazardous waste. Please read our safety data sheet.

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