

Copper conductive lacquer Can or as spray

Safety

The conductive varnish is flammable and hazardous to the environment. Therefore, keep the conductive varnish away from ignition sources and sparks (workshop). Avoid electrostatic charging. Do not allow the conductive varnish to enter waste water and dispose of dried-up residues in hazardous waste.

Please observe our safety data sheet.

For your own safety, please work with gloves and protective goggles. Please also always read the warnings on the label thoroughly before using the product.

Application fields

The copper conductive lacquer is the perfect solution to galvanize / finish non-conductive materials. Also very suitable as a decorative varnish for flowers → preserves fresh flowers without drying them first. For repairing circuits in model making and for rear window heaters or if you need a conductive spray, please use our Silver Conductive Lacquer.

Suitable materials:

Plastic, glass, ceramics and many others Unsuitable: Paper, absorbent materials (only with pre-paint).

Conductive Lacquer Usage

The workpiece must be clean and free of grease. It is best to wipe with methylated spirits or pre-treat with Betzmann Galvanic Galvanic Degreaser beforehand. Absorbent materials such as wood or paper must be pre-painted.

Apply the conductive lacquer thinly to the pre-cleaned, grease-free surface. Plastic parts can be coated better if they are sprayed with plastic primer beforehand. The conductive varnish can be thinly brushed on or, better, sprayed on (airbrush or commercially available hand pump sprayer).

Pretreatment

Allow to dry (5 -> 15 minutes in air) and then galvanize. A longer drying time of 1 -> 3 days at room temperature makes the coatings more robust.

Before application, please shake well so that all copper powder is stirred up at the bottom. Attention, the paint is not abrasion resistant, please touch object only with gloves to avoid marks.

The lacquered object is not yet conductive at this stage, as the surface is blocked by oxide layers.

As soon as the workpiece is immersed in the acidic copper electrolyte, the oxides dissolve and the conductive lacquer acquires its excellent electrical conductivity.

Use as a decorative lacquer:

Apply the conductive lacquer as described above. Flowers, for example, do not need to be dried beforehand and will subsequently dry out under the copper layer without becoming moldy.

Copper Conductive Lacquer Spray:

The copper conductive lacquer spray fulfills the same function as in the previous description. However, the spray is more advantageous than coating, especially when geometrically very irregular objects are to be processed, such as flowers, branches and the like. It can also be used to cover large areas very quickly with a sufficient layer of conductive copper paint.

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