

METALCOR

CONDUCTIVE SILVER

Colour : —

Use : Spray-deeping-brush

Colour coordinates :

—

Product description

METALCOR is a special paint with a colloidal silver base capable of making otherwise non-conductive surfaces such as plastic, ceramic and wax conductive. **METALCOR** is used before plating treatments to metallized surfaces that otherwise could not be plated.

Application field

METALCOR is mainly used in the jewellery, fashion, electronic and dental fileds.

Operative conditions

Parameter	UM	Operative Range	Optimum
Silver content	%w/w		45%
Density	g/cm ³	1.3 / 1.5	1.4
Viscosity	mPas	50 - 70	60
Drying time	Min/25°C	30 - 45	In relation to the temperature
Resistance of the deposit at 25°C	MΩ/sq	≤ 200	
Resistance of the deposit at 100°C	MΩ/sq	≤ 50	
Temperature stability	°C	-40 / +150	
Shelf life	Mesi	6	

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Adding information 1/1

Packaging

The product is contained in a high-density polyethylene or glass bottle.

Equipment

For spray use airbrush is necessary.

Product use

The product can be used by deeping, brush or spray.

If an higher fluidity is needed, we suggest to dilute the METALCOR 100V with 20% of METALCOR 100D. The operator can manage the dilution according to the application.

For spray use load airbrush carefully, spray on the item to be metallized from a distance of 10 cm. Once the item is covered, wait the optimal drying time (30-45 minutes at 30°C). When drying step is completed, you can proceed with the plating treatment while paying attention on never use ultrasounds or electrolyte degreasing.

Notes

Instructions indicated in Our Process technical data sheets are the result of attentive checks and have been written as a guideline. They represent the best of our knowledge and refer to a normal use of our products. Such products are guaranteed in their quality up to the delivery: we cannot guarantee for the correct use of them, as this action is not under our direct control (addition or correction to plating baths are made by customer's personnel). As a consequence, process instructions have not to be intended as a guarantee of the final result in the use of our products.

Safety Information

Please refer to the safety data sheets for any information regarding safety and disposal (MSDS).

Related products

Cod.Article	Description	Packaging
VE020101	METALCOR 100V-1K silver based conductive lacquer concentrated	1 Kg
VE020102	METALCOR 100V silver based conductive lacquer concentrated	100 g
VE020201	METALCOR 100D-1L thinner for silver conductive lacquer	1 L
VE020202	METALCOR 100D thinner for silver conductive lacquer	100 ml