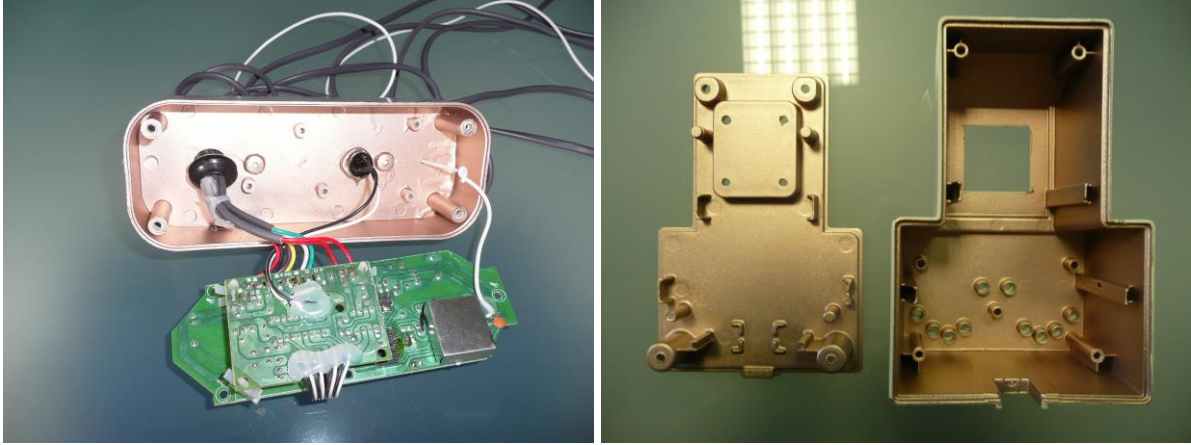


TECHNICAL SPECIFICATION

Conductive Paint



Description

Paints for the electromagnetic shielding of electronic equipment that satisfy international regulations that impose the respect of any electronic device for its requisite electromagnetic emissions and immunity.

The range of solvent or water based conductive paints are principally three types: Silver, Copper, and Nickel. There are also flexible versions.

Applications

Shielding of electronic and electro-medical apparatus realized with materials transparent to electromagnetic waves.

Provision

Cans - 1kg, 5kg (depending on the product).

Spray - 400 ml paint nickel.

Spray - 400 ml paint copper.

Spray - 400 ml paint silver-copper.

Storage

Keep away from humidity at $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$.

We recommend our customers to carry out their own checks to determine the conformity of our article in respect to their own needs before any further processing.

Product Name	VC.M.AC.NI	VC.M.AC.CUSI	VC.B.POL.NI	VC.M.AC.CU	VC.M.AC.SI
Color	Dark grey	Copper	Dark grey	Copper	Silver
Polymer Matrix	Acrylic	Acrylic	Polyurethane	Acrylic	Acrylic
Filler	Nickel	Silver coated copper	Nickel	Copper	Silver
Density (Kg/l)	1,46	1,2	1,82	1,02	1,4
Solid Content (%)	48	45	66	29	47
Standard Thickness	50 µm, about 2 to 3 crossed coats	25 to 50 µm, about 2 to 3 crossed coats	60 µm, about 2 to 3 crossed coats	25 to 50 µm, about 2 to 3 crossed coats	10 µm, about 1 to 2 crossed coats
Electrical surface resistance (Ohm/sq)	<0,3 (after 48 h)	<0,5 (after 48 h) @ 25 µm <0,25 (after 48 h) @ 50 µm	<0,5 (after 48 h)	<0,5 (after 48 h) @ 25 µm <0,25 (after 48 h) @ 50 µm	<0,03 (after 48 h)
Consumption	139 g dry/mq @ 50 µm	68 g dry/mq @ 25 µm	128 g dry/mq @ 60 µm	55 g dry/mq @ 25 µm	59g dry/mq @ 10µm
Covering powder	3,5 mq/kg @ 50 µm	3,5 mq/kg @ 40 µm	5,25 mq/kg @ 60 µm	4,7 mq/kg per 25 µm	8 mq/kg @ 10 µm
Product Description	Sprayable conductive coating. Excellent screen to electromagnetic interferences (EMI). It allows the electromagnetic compatibility of electric & electronic equipment and a good electrical stability in a corrosive environment Normally used for military applications.	Sprayable conductive coating. Excellent screen to electromagnetic interferences (EMI). It allows the electromagnetic compatibility of electric & electronic equipment.	Sprayable conductive coating. Excellent screen to electromagnetic interferences (EMI). It allows the electromagnetic compatibility of electric & electronic equipment and a good electrical stability in a corrosive environment. Polyurethane base: greater mechanical resistance and durability. Normally used for military and applications	Sprayable solvent-based conductive coating with a highly conductive proprietary pigmentation. Primary purpose is shielding against RFI/EMI on plastic surface of electronic parts. In combination with an appropriate base coat you can also coat plastics that are difficult to coat.	Sprayable conductive coating. Comparatively higher cost, maximum shielding performance. Normally used for military and medical applications.
Recommendations	CY PRIMER is recommended for special substrate. Customer can make test to evaluate this aspect	CY PRIMER is recommended for special substrate. Customer can make test to evaluate this aspect	B THINNER has functionality on the polymerization. CY PRIMER is recommended for special substrate. Customer can make test to evaluate this aspect	CY PRIMER is recommended for special substrate. Customer can make test to evaluate this aspect.	CY PRIMER is recommended for special substrate. Customer can make test to evaluate this aspect