

# EMI Shielding Conductive Coating

## PAT EMC AXP

**Patron**  
*Passive Elektronik*

### PRODUCT CHARACTERISTICS

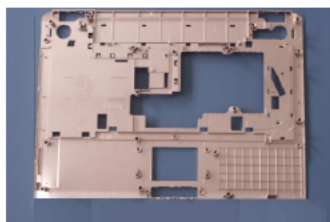
- Environmental friendly product
- Small electric resistance
- Good electrical conductivity
- High shield potency
- Single ingredient with easy operation
- Good weathering resistance



The AXP series EMI Shielding Conductive Coating is a new material that can isolate electromagnetic field, prevent revelation of electromagnetic wave, anti-electromagnetic wave disturbance. It may use in electromagnetic compatibility protection of each kind of electronic products, electromagnetic screen of the precise instruments and the equipment warehouse, guarding against the electromagnetic interference of the computer room and the data transmission central, also guarding against the divulging of the computer information in confidential section and so on. This product may spread on the basic material such as plastic, lumber, cloth and paper.

This product has already applied in the military equipment, the nuclear power station, the aerospace instrument control, CT room, the mobile phone, broadcasting station the high-pressured transformer vault, the place to change the power distribution; the computer and the computer engineering- room, the monitor, the portable computer and the system product of wireless accesses that can surfer, the integrated circuit, the precise electronic surveying, the industry instrument appearance, the fire prevention, the railroad instrument, microwave oven, television, DVD, stereo set device. It also may serve as the plastic galvanization, the cultural object replication, the handicraft and so on.

### EXAMPLES OF APPLICATION



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### SPECIFICATION

Type	AXP-601	AXP-602A	AXP-602B	Remarks
Color	White of silver	Yellow of gold	Yellow of gold	
Electric resistance value	$\leq 0.02\Omega/\square$	$\leq 0.05\Omega/\square$	$\leq 0.2\Omega/\square$	
Spray thickness	12.5 $\mu$	15 $\mu$	15-20 $\mu$	
Spray area	6.5 m <sup>2</sup> /kg	6 m <sup>2</sup> /kg	5 m <sup>2</sup> /kg	
Sticky degree	Can be adjusted to 10-16S (spray 4 cups,25°C)			
Content of solid (%)	47 $\pm$ 2	45 $\pm$ 2	40 $\pm$ 2	
Effect of shield	45-95dB (10k-35G)	45-75dB (15k-35G)	45-75dB (10k-35G)	Can spray thicker if needed
The basic material that can be applicable	ABS, PC, Metals, Lumber, Compound material			

### OPERATING INSTRUCTIONS

Treatment of the spray object's surface	The basic material must be pure, dry, smooth; scour its surface with alcohol or appropriate solvent, causes it's pure.
Stir and Dilute	Stir about 30 minutes before use it, make sure it has been stirred evenly and has no sediment; according to the type of the paint, dilute with solvent if needed until it matched with construction request.
Spray	Form of spray gun: W-71 Caliber:1.5-2mm Distance between the spray gun and the real object: 100-200mm Air pressure of spray: 0.4-0.6 Mpa Blowout quantity: 2-3 circulation Thickness of film: AXP-601 12.5 $\mu$ m AXP-602A 15 $\mu$ m AXP-602B 30 $\mu$ m
Dry	Dry by nature(25°C):Surface drying time 4h,Actual drying time:24h Dry by baking:45-60°C 30minutes, display performance after 60min when it is dry.