



Aerolube Technologies



Technical Data Sheet

8014 PCB Coat

High Gloss Clear Acrylic Conformal Coating

Product Description

Stanvac 8014 PCB Coat is a fast air-drying, lightweight, clear, tough and flexible acrylic coating designed primarily to protect printed circuit boards and electrical / electronic equipment against high voltage arcing, corona shorts, corrosion, ingress of moisture and fungus. It resists rust, tarnish, corrosion, moisture and has excellent waterproofing / weatherproofing abilities.

Stanvac 8014 PCB Coat is highly abrasion & scratch resistant and protects electronic equipment completely due to its high dielectric strength. It does not contain any harmful chlorinated solvents, CFCs or ozone depleting chemicals.

Applications

Insulation and protection of all electrical, electronic and high-tech equipment of: general electronics, printed circuit boards, thick film circuits, high voltage transformers, electrical motor coils, cables, wires; for moisture proofing and corrosion prevention of any industrial, automotive, aviation, marine and military electrical & electronic hardware.

Benefits

- Protects against rust, corrosion, tarnish, oxidation, moisture and weathering influences
- Provides a high-gloss, clear protective finish that remains transparent and does not fade or become yellow
- Provides a protective and insulating film that shields printed circuit boards from electrical leakage and short circuits
- Prevents sparking and corona discharges
- Non-conductive and has good dielectric properties
- Excellent resistance to weak acids & alkalis, water, oils and chemical fumes
- Easily solderable and very convenient for onsite repair jobs
- Conforms to requirements of specifications MIL-I-46058C

Directions for Use (bulk)

Mask and protect areas not to be coated. Apply steady even strokes by means of brush. Component to be coated can also be dipped into the coating. For best results, two light coats are better than one heavy coat. Coating becomes dry to touch in about 15-20 minutes. Complete cure takes place in about 24 hours depending upon the relative humidity.

Directions for Use (aerosol)

Shake can vigorously for at least one minute after bearing noise from inside the can is audible. Mask and protect areas not to be coated. Hold can 12-15 inches away from surface to be coated and spray in steady, even strokes. For best results, two light coats are better than one heavy coat. Coating becomes dry to touch in about 15-20 minutes. Complete cure takes place in about 24 hours depending upon the relative humidity. Clean the valve by inverting the can and spraying a few short bursts till only the clear propellant comes out. Clean the actuator button orifice by means of a thin, fine wire.

Caution: Contains flammable propellant and solvents. Do not spray near naked flame, hot surfaces or energized equipment. Use with adequate ventilation.

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TECHNICAL PROPERTIES		
Parameter*	Value	
Type	Liquid	Liquid
Color	Clear	Clear
Resin	Acrylic	Acrylic
Appearance	High Gloss	High Gloss
Drying Time		
- To Touch	5 min.	5 min.
- To Handle	10 min.	10 min.
- Full Cure	15 hrs.	15 hrs.
- To Recoat	30 min.	30 min.
Specific Gravity @ 20°C	0.95-0.98	0.95-1.00
Flash Point °C	-18 (aerosol)	+22 (closed cup)
Temperature Range °C	-65 to +130	-65 to +130
Dielectric Constant	2.5 at 100KHz	2.5 at 100KHz
Dielectric Factor	25 kV/mm	25 kV/mm
Dissipation Factor	1.7 x 10 ⁻² at 100 kHz	1.7 x 10 ⁻² at 100 kHz
Coverage	2-3 m ² /can	7-8 m ² /l
Propellant	Non CFC	NA

* of active ingredients

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Available Packaging

500 ml Aerosol Spray, 4 Kg.

Shelf Life

24 months from date of manufacture in sealed condition.

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from Aerolube or your local Aerolube distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended Stanvac product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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