



ConinsPune



GLOBAL QUALITY THROUGH
INDIGENOUS TECHNOLOGY



ISO 9001-2008 • C-DOT Approve • Mil-Standard Mil-I-46058C Type AR • RoHs Compliances

Conformal Coatings on PCB Assembly



To Prevent From

- Moisture ● Oxidation ● Fungus
- Conductive Dust Particle ● Extreme Humid Conditions.

Special Feature

- 100% Eco - Friendly ● Economical in use ● Good Dielectric Strength
- Excellent Adhesion to all surfaces ● Easily Solderable; Servicing is easy
- Prevents fungus growth, Rust, Corrosion. ● Excellent in high humid conditions.
 - Protects component leads from corrosion ● Fast curing
 - Contains UV Tracer for easy inspection

Applicable On

- PCB Assemblies Solder Side /Mounting Side ● UPS Manufacturers
 - Energy Meter Manufacturers ● Led Lighting Manufacturers
- Computer Manufacturer ● TV, Washing Machine, Digital Sound Systems
- Led Scrolling Display ● Any Metal Surface ● Screen Printing Protect From Sea Weather
 - Insulating Electrical Bus Bars ● Electrical Distribution Boxes
 - Electronic Instrumentation Manufacturers ● Solar Cells

CONINS PUNE is well established in the field of conformal coating. Our Acrylcoat Conformal Coating is well accepted in the Electronics Industries. The Product enjoys excellent reputation for its quality.

CONINS PUNE has a start of the art manufacturing plant and a well-equipped R&D facility for developing and testing its products with totally indigenous technology. This is backed by highly qualified and well experienced Engineers. Consistency in quality is CONINS PUNE hallmark.

Conformal Coating : Technical Datasheet

Appearance(Liquid & Coated Film)	Clear /Transparent/Smooth & Glossy
Specific Gravity (Density@25Deg C)	0.85 to 0.9
Viscosity@25Deg C	30-35 sec (Zans G1 Cup)
Flash Point	< 40
Comparative Tracking Index (CTI Value)	600
Coating Thickness (Single/Double Light Coat)	20-22 Recomonded
Dielectric Strength	30 KV/mm
Thermal Cycling(MIL-I-46058-C-AR)	Meets Approval (C-DOT)
Moisture Resistance (MIL-I-46058-C-AR)	Meets Approval (C-DOT)
Insulation Resistance	Meets Approval (C-DOT)
Fungus Resistance	Passes
Withstand Temperature (Film)	-50 to 130 Deg C
Coverage Area (20 µm Film 500 ml Aerosol)	2m ²
Film Traceable	Under UV Lamp
Drying Time Touch To Dry Hard Dry Pre & Post Heating of PCB For coating @ 50 Deg C	5- 7 Min 2 Hrs Dry with 1 Minute Hard Dry- 5-10 Min
Curing Time	12-24 Hrs
Optimum Properties Provides Protection Against High Voltage Arcing and crona shorts	7 Days
Available Packages Acrylcoat 500 ml Aerosol Acrylcoat 01 Liter Jar Lacquer Acrylcoat 05 Liter Jar Lacquer Acrylcoat 200 Liter Jar Lacquer	(1 Box X 20 Nos.) (1 Box X 10 Nos.) (1 Box X 04 Nos.) (01 Barrel)

ELCOAT



ELCOAT is a pale yellow color transparent , solder able . Resin base conformal coating applied by Brush Or Dipping process and PCB Assemblies insulate Electrically. Hard this film occurs which protects from Environmental conditions.

ELCOAT is mostly used in electrically contacts as insulating compound which is lifelong having Dielectric strength 50 Kv/mm and withstand upto 15 Deg C.

APPLICABLE on switchgear / Bus Bars / Transformer/ Connectors / Distributions Boxes etc. to protect and failure from Environmental Conditions.

PROPERTIES (TYPICAL)

Product Code Lacquer	ELCOAT LQ
Appearance	Clear, Transparant , Smooth & Glossy
Drying Time	Touch Dry :< 10 Mints Hard Dry : 2 Hours
Cure Time	24 Hours Optimum Properties : 7 days.
Working Temperature	Upto 120 Deg C
Dielectric Strength	60 KV/mm
Viscosity Of Lacquer	30 sec zahn G1230 Deg C
Flammability	Self extinguishing (coating) Liquid : Highly flammable

APPLICATIONS :

AEROSOAL -: Clean and dry the surface to be coated thoroughly. Spray Acrylcoat from a distance of 15-20 cms from the surface evenly. Better result can be obtained if cured in a ventilated oven @60 Deg C for 1 hour. SHAKE THE BOTTLE WELL BEFORE EACH APPLICATION.

LACQUER -: Acrylcoat lacquer can be applied by Brushing, Dipping or by spraying. This can be used in a Dip coating machine or can be applied by a dispenser

STORAGE

Store in a cool dry place below 40 Deg C. Keep away from naked flame or flammable material. The contents are highly inflammable. Destroy the container after use.

PRECAUTIONS

Liquid Highly Flammable (Film Not Flammable) .Contact with Skin /Eye /Inhalation. Should be avoided. If contact use plenty of water to wash with soap , ventilate the Area.

Keep away from open Flames and Flammable materials. While using adequately ventilated area.

While applying spray/ Lacquer place it near window with exhaust fan ON.

PRODUCT RANGE

Sr.Nos	Product Name	Product Nos.	Packaging	Viscosity
1	ACRYLCOAT -AERSOAL		500 ml	30
2	ACRYLCOAT - LACQUER	LQ-30	1, 5,25,100 Liter	30
3	ACRYLCOAT - LACQUER	LQ-60	1, 5,Liter	60
4	ACRYLCOAT -LACQUER	LQ-100	1, 5 Liter	100
5	ACRYLCOAT- FOR LED LIGHTING	LGT -SPL- 60	1, 5,25,100 Liter	60
6	ELCOAT - LACQUER	EL-30	1, 5,25,100 Liter	30
7	ELCLEAN	ELC-30	1, 5,25,100 Liter	

CONINS ACRYLCOAT PCB CONFORMAL COATING

Conins Acrylcoat is a high quality flexible transparent **Eco Friendly** Acrylic Conformal coating for PCB Assemblies.

Acrylcoat ensures protection for PCBs and components against moisture, oxidation, fungus etc., in extremely humid conditions. It is easy to apply and fast drying and has good flexibility. Servicing is easy as the coating is readily **SOLDERABLE**.

Acrylcoat has high dielectric strength and it provides protection against high voltage arcing and corona shorts.

• PROPERTIES (TYPICAL)

PRODUCT CODE	SPRAY LACQUER	ACRYLCOAT-AR (AEROSOL) ACRYLCOAT-AR (LQ)
Appearance		Clear, Transparent, Smooth & Glossy
Drying time		Touch Dry:< 5 mts. Hard Dry : 2 hrs.
Cure time		24 hrs. Optimum Properties: 7 days.
Working temp.		-50° C to 125° C
Di-electric strength		25 KV/mm.
CTI Value (Comparative Tracking Index)		600
Viscosity of Lacquer		30-35 secs. Zahn G1 cup @30° C
Flammability		Self extinguishing (coating) Liquid : Flammable

• APPLICATION

AEROSOL : Clean the surface thoroughly. Spray Acrylcoat from a distance of 15-20 cms. from the surface evenly. Allow the PCBs to dry in Air. Better results can be obtained if cured in a ventilated oven @ 60° C for 1 hr. **SHAKE THE BOTTLE WELL BEFORE EACH APPLICATION.**

LACQUER : Acrylcoat lacquer can be applied by Brushing, Dipping or by Spraying. This can be used in a Dip Coating Machine or can be applied by a dispenser.

• STORAGE

Store in a cool dry place below 40° C. Keep away from naked flame or flammable material. The contents are highly inflammable. Destroy the container after use.

• PRECAUTIONS

Conins Acrylcoat is a flammable material. Contact with skin or eyes and inhalation should be avoided. In case of contact, wash the affected areas with soap and plenty of water. Keep away from open flames and flammable material. Use in an adequately ventilated area only.

Shelf life : 1 year in original sealed container.

Packing : 500 ml. Aerosol Spray containers. LQ : 1 litre, 5 litres & 25 litre containers.



Conins

Conformal Coatings

ACRYLCOAT

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At **CONINS** one can rely on consistent quality and reliable supplies at economical rates

Acrylcoat is approved by C-DOT and it conforms to MIL Standard: MIL-I-46058C Type AR. Acrylcoat complies with European Union directive of RoHs. The product passes toxicity test.

SPECIAL FEATURES

- ★ Eco-friendly
- ★ Economical in use
- ★ Good Dielectric strength
- ★ Excellent adhesion to all surfaces
- ★ Easily **SOLDERABLE**; servicing is easy
- ★ Prevents fungus growth
- ★ Protects component leads from corrosion
- ★ Fast curing

**C DOT
Approved**



Available in Aerosol and bulk (Liquid Form); both approved by C-DOT