



ConinsPune



Global Quality Through Indigenous Technology

ISO 9001-2015 • C-DOT APPROVED • MIL STANDARD MIL-I-46058-C TYPE AR • ROHS COMPLIANCES

Connectivity is force
that leads to commitment

CONFORMAL COATINGS FOR PCB ASSEMBLIES

PROTECTS PCB ASSEMBLIES FROM
CORROSION, CONDUCTIVE DUST,
MOISTURE, OXIDATION
AND HIGH HUMIDITY.



CONINS ACRYLCOAT:

- AR-30 is an Aerosol (spray can).
- ALQ-30/ALQ-60/ALQ-100/SKR-70 is a range of Lacquer products with different viscosities.

CONFORMAL COATING FOR PCB ASSEMBLIES

Conins Acrylcoat AR-30/ALQ-60/ALQ-100/SKR-70

is a range of high quality, flexible, transparent and eco-friendly acrylic conformal coatings for PCB assemblies, which are inevitable and Delicate Components in electronics and electrical. PCB assemblies can be damaged in harsh environmental conditions and result in failure of the electronics to function. Conins Acrylcoat provides the right protection for the PCB assemblies.

Salient Features

- 100% eco-friendly
- Easy to apply, fast drying, fast curing
- Provides excellent adhesion to all surfaces
- Easily solder-able; thus components can be easily serviced.
- Good dielectric strength; hence provides protection against high voltage and corona shorts.
- Contains UV tracer for easy inspection
- Rohs Compliances



Application Methods:

- AR-30: Spraying Method • ALQ-30/ALQ-60/ALQ-100/SKR-70: Brushing and Dipping Method

Spraying METHOD 1

This method is widely used for applying conformal coating to PCB assemblies.

It is suitable only for our product, Conins Acrylcoat AR-30 • Easy to use a Aerosol

1. Hold the aerosol can in a slightly tilted position, at about 3 to 6 inches from the PCB assembly.
2. Push the spray button on the can gently, to spray the aerosol.
3. Move your hand evenly and quickly, across the width or length of the PCB assembly, to spray single coat of aerosol.
4. Leave the component to dry in a well-ventilated area. Important: Perform the spray coating under an exhaust hood or near open window. This pulls out fumes and fine mist from the aerosol.



Brushing METHOD 2

This method is the easiest & most economical method for applying the conformal coatings.

It is better suited for batch production & service applications. Brushing method ensures uniform application of coating and the thickness depends upon the application. Our products can be provided in cans.

1. Dip the application brush in the can.
2. Take ample quantity of acrylcoat in brush
3. Apply the conformal coating evenly on the PCB assembly and component.
4. Leave the component to dry in a well-ventilated area.



Dispensing Pump METHOD 3

This method can be used when the quantity of PCB assemblies are more.

Application can be done with the help of compressed air with 0.5 kg or 1 kg air pressure. Spraying can be done with help of a spray gun with adjustable spraying angles. By using this method, you can apply conformal coating of upto ALQ-100 viscosity to the component as per its needs.

Features of the Dispensing Pump method

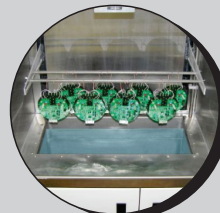
1. Dispensing pump tank is available in 5 liters and 10 liters capacity.
2. Dispensing pump is available with easy to use Spray Gun.
3. Minimum wastage, More coverage area.
4. For spraying, no gas required. Spraying is done only using air. Hence, it is safe to apply.
5. Eco-friendly method as empty spray bottles need not be thrown away as waste.



Dipping METHOD 4

This method is most suitable for small production or assembly units or shops.

1. Dip the PCB component in the dip tank containing conformal coating.
2. Withdraw the component slowly at a uniform rate.
3. Leave the component to dry in a well-ventilated area.



Global
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Through
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CONINS ACRYLCOAT LGT-SPL-60 CONFORMAL COATING FOR LED LIGHTING

In today's changing world, LED lights are used in Offices, Corridors, Street Lights, Parking Zones Industries and Even Decorative Home Lighting. These Lights are Continuously Exposed to changing atmospheric conditions, **and need to be protected for Efficient and Long Term use.** Conins Acrylcoat LED-LGT-SPL-60 is the perfect solution.

Salient Features

- Protects LED lighting from high humidity, salty weather, conductive dust, oxidation, corrosion, rusting and fungus etc.
- Provides transparent hard film coating on the surface of LED lights and circuits.
- Improves the functioning of LED lights without many failures.
- Works as a heat sink paint or coating, and saves extra workmanship and cost.
- Does not affect the luminosity of LED lights.
- Works best in operating temperatures ranging from -40 Deg. C to +130 Deg C.
- Minimizes service calls and repairs; hence reduces service/repair overheads for the end users and manufacturers.

Applications

Brushing or Dispensing pump method

LED
LIGHTING



PCA CONFORMAL COATING FOR ELECTRIC VEHICLES (Water Resistant)

CONINS is engaged in manufacturing of PCA CONFORMAL COATING FOR Electric Vehicles. Automobile and Electric Vehicles are most moving in all types of environment and road conditions. Electronic instrument gets affected and damaged. Acrylcoat conformal coating with proper thickness will minimize the failure rate.

The Company is specialized in this field. CONFORMAL COATING for EVPCA and supplying these products to major OEMs in India.

Applications

- Motor controller • EV DC convertor
- SMPS battery chargers • Electronic battery discharge equipment.
- Li-ion/lfp chargers • Lead acid chargers • E-bike charger • E-rikshaw charger
- Electric cycle • Electric cars & buses • Electric bikes
- Electric tricycles & Electric Golf carts

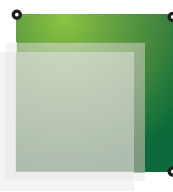
CONFORMAL COATING ON
ELECTRIC
VEHICLE
PCB



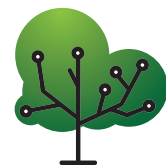
HIGH QUALITY



FLEXIBLE



TRANSPARENT



ECO-FRIENDLY

ACRYLCOAT CONFORMAL COATINGS

CONINS ACRYLCOAT – SKR-70

COATING FOR G-1/G-2/G-3 & C-1/ C-2/C-3

COMPLIANCE PCA & LED LIGHTS

CONINS Acrylcoat SKR-70 is thickest conformal coating of its kind transparent but yet very thick coating on any electronic circuits as well as Metal parts. Acrylcoat SKR-70 having very strong bonding on the surface and after drying the coating thickness is 200+ microns.

Applications

- Where very high humid or dew or water drops.
- Withstands 5 to 10% of industrial gases are in exist (G1/G2/G3 Conditions)
- PCA & LED outdoor lighting where artificial water drops / fountains
- Defense applications
- Automobile application
- Electrical bus bars & switch gear insulation

Advantage SKR-70

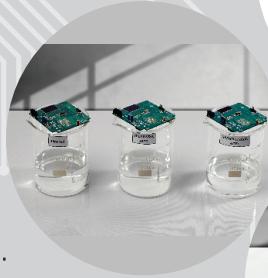
- Protects corrosion/rusting in very high Humid conditions can be replaced potting material transparent and hard – Protects against few gases in the air.
- Vibration & shaking will not lose the component mounted on PCB
- Coating can be removed with solvent
- Film traceable under UV lamp.

How to apply

By brush or by dipping method.
Drying Time 15 to 25 min. touch to dry.
(Air drying) for fast drying pre heat & post heat at 50 Deg. C for 5-10 min.

Shelf life 3-4 months from the date of mfg. in air tight condition.

Always keep in cool place.



PCB Cleaning and Acrylic Base conformal coating removal

Conins ELCLEAN is a specially formulated universal cleaner and degreaser which can be used for cleaning of PCBs after soldering and assembly.

This product is eco-friendly and contains no CFC or HFC.

Important

ELCLEAN is flammable and all precautions for hazardous and flammable products should be taken while using the product. Usage and disposal of waste should be strictly in accordance with relevant government regulations. MSDS information will be provided on request.

Applications

(specific for this product)

1. Apply Conins Elclean using brushing or spraying method.
2. Wipe with cotton, brush or a clean cloth. Residue evaporates by itself.
3. Acrylic base coating can removed by Elclean



AQUACOAT
"CONW-54" is
VOC FREE
moisture proof
coating material
for PCB.

It is very environmentally-friendly because it contains water as solvent instead of organic solvent, and also keep have high property such as

Solvent FREE

100% Eco Friendly

LOW COEFFICIENT OF

- Elasticity • Heat Resistance
- High Insulation Property.
- Single coat thickness 100 micron
- Drying type 30-40 Min.(Air Drying)
- Fast drying 15 Min by heating at 50° C



TECHNICAL DATA		AR-30	ALQ-30	ALQ-60	ALQ-100	LED-LGT-SPL-60	SKR-70
Appearance (Liquid & Coated Dry Film)		Clear, Transparent	Clear, Transparent	Clear, Transparent	Clear, Transparent	Clear, Transparent	Clear, Transparent
Specific Gravity (Density @25 Deg)		0.914	0.914	0.910	0.900	0.910	890
Viscosity (@25 Deg)		30 Sec Zahn Cup	30 Sec Zahn Cup	60 Sec Zahn Cup	100 Sec Zahn Cup	60 Sec Zahn Cup	200+ Sec Zahn Cup
Flash Point		<40	<40	<40	<40	<40	<40
CTI Value		600	600	600	600	600	600
Coating Thickness (Single Coat)		15-20 Micron	15-20 Micron	30-35 Micron	45-50 Micron	30-35 Micron	200-250 Micron
Dielectric Strength		15 KV/MM	15 KV/MM	15 KV/MM	15 KV/MM	15 KV/MM	15 KV/MM
Thermal Cycling		AS PER MIL Std.	AS PER MIL Std.	AS PER MIL Std.	AS PER MIL Std.	AS PER MIL Std.	AS PER MIL Std.
Moisture Resistance		1.5 x 10 ¹² Ohms	1.5 x 10 ¹² Ohms	1.5 x 10 ¹² Ohms	1.5 x 10 ¹² Ohms	1.5 x 10 ¹² Ohms	1.5 x 10 ¹² Ohms
Insulation Resistance		3.5 x 10 ¹² Ohms	3.5 x 10 ¹² Ohms	3.5 x 10 ¹² Ohms	3.5 x 10 ¹² Ohms	3.5 x 10 ¹² Ohms	3.5 x 10 ¹² Ohms
Fungus Resistance		AS PER MIL Std.	AS PER MIL Std.	AS PER MIL Std.	AS PER MIL Std.	AS PER MIL Std.	AS PER MIL Std.
Withstand Temperature (Film)		-40° To +130° (Deg C)	-40° To +130° (Deg C)	-40° To +130° (Deg C)	-40° To +130° (Deg C)	-40° To +130° (Deg C)	-40° To +130° (Deg C)
Coverage Area (20 micron Film)		2m ²	6-7 m ² (Appx)	5-6 m ² (Appx)	4-5 m ² (Appx)	5-6 m ² (Appx)	3-4 m ² (Appx)
Film Traceble		Under UV Lamp	Under UV Lamp	Under UV Lamp	Under UV Lamp	Under UV Lamp	Under UV Lamp
Drying Time (Touch to Dry)		5-7 Min.	5-7 Min.	8-10 min.	10-15 Min.	8-10 Min.	20-25 Min.
Hard Dry		2 Hours	2 Hours	2 Hours	2 Hours	2 Hours	5 Hours
Pre and Post Heating for (Touch to Dry)		1-3 Min.	1-3 Min.	1-3 Min.	3-5 Min.	1-3 Min.	10 Min.
PCB Coating @50 Deg C Hard Dry		10 Min.	10 Min.	10 Min.	15 Min.	15 Min.	20 Min.
Curing Time		24 Hours	24 Hours	24 Hours	24 Hours	24 Hours	24 Hours
Optimum Properties		7 Days	7 Days	7 Days	7 Days	7 Days	7 Days
Water Vapour Dans. Rate ASTM-E-96g/h-m2		0-310	0-310	0-310	0-310	0-310	0-310
Shore Hardness ISO-868-durameter		58	58	58	58	58	58
Elongation ISO-527-3 N/mm2Cpsi		5-9 (847)	5-9 (847)	5-9 (847)	5-9 (847)	5-9 (847)	5-9 (847)
Tensile Mudules ISO-527-3 N/mm2Cpsi		575 (82000)	575 (82000)	575 (82000)	575 (82000)	575 (82000)	575 (82000)
Volume Resistivity IEC-60093 Ω		7.00 x 10 ¹⁵	7.00 x 10 ¹⁵	7.00 x 10 ¹⁵	7.00 x 10 ¹⁵	7.00 x 10 ¹⁵	7.00 x 10 ¹⁵
Surface Resistivity IEC-60093 Ω		1.63 X 10 ¹⁷	1.63 X 10 ¹⁷	1.63 X 10 ¹⁷	1.63 X 10 ¹⁷	1.63 X 10 ¹⁷	1.63 X 10 ¹⁷
Flame Test As per UL94-V-1		Pass	Pass	Pass	Pass	Pass	Pass
Packing		500 ml Aerosol	1,5,25 Litre.	1,5,25 Litre.	1,5,25 Litre.	1,5,25 Litre.	1,5,25 Litre.

About Conins Pune

- We manufacture indigenously formulated conformal coatings, using eco-friendly ingredients which are of global quality.
- We have a strong industrial experience, and provide a strong back up for its customers.
- We possess a well-equipped production unit, which is backed by latest technology and sophisticated machinery.
- We have a well-equipped R & D Department, where we continuously focus on research, ensuring continuous improvement of our products.
- We have a team which comprises of highly qualified & skilled workers, professionals & experts. Our team is our strength.
- We ensure high quality standards at every level of the organization, which have helped us to find a strong foothold in the global arena
- We provide technical support for selection of proper coating and application methods, depending on customer's need.
- We are committed to customer satisfaction by offering quality products and services, meeting their specifications and expectations at competitive price.

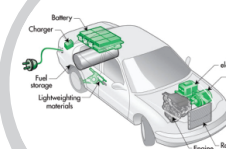


**We Export
Globally.**

Conins products can be applied on

- PCB assemblies; solder side and mounting side
- UPS systems
- Energy meters
- LED lighting, scrolling displays
- Electronic home appliances
- Distribution boxes
- Air conditioning
- Automobile Electronics, Electrical vehicles
- Computers
- Electronic products
- Welding machines/Hand drilling electronics
- Solar Panels
- Marine/Defence electronics

Automobile Electronics



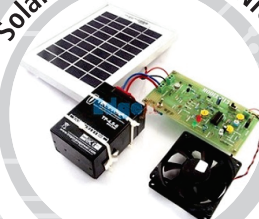
LED Lighting



Defence Electronics



Solar-Power-ELECTRONICS



ConinsPune



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