



ACRYLCOAT AR-60

ACRYLIC BASE

CONFORMAL COATING



Global Quality Through Indigenous Technology

ISO-9001, ISO-14001, C-DOT APPROVED, MIL-I-46058-C TYPE AIR, ROHS COMPLIANCE , MADE IN INDIA

CONINS ACRYLCOAT AR-60 is a range of high quality, flexible, transparent, and eco-friendly acrylic conformal coating for PCBA which are inevitable and delicate components in electronics and electrical. PCBA can be damaged in harsh environmental conditions and results in failure of electronics to function. Conins Acrylcoat AR-60 provides the right protection for the PCBAs.

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

TECHNICAL DETAILS / PARTICULARS	
TECHNICAL DATA	AR-60
Appearance (Liquid & Coated Dry Film)	Clear, Transparent
Specific Gravity (Density @24°C)	0.951
Viscosity @24 Deg (Zhan #2)	45 ± 1 Sec
Flash Point	< 79°C
Solid Content (w/w%)	45
CTI Value	600
Coating Thickness	40 - 45 Micron
Dielectric Strength	15 KV/MM
Thermal Cycling	AS PER MIL Std.
Moisture Resistance	1.5×10^{12} Ohms
Insulation Resistance	3.5×10^{12} Ohms
Fungus Resistance	AS PER MIL Std.
Withstand Temperature (Film)	-40° To +140° (Deg C)
Coverage Area (40 micron Film)	1.5m ²
Film Traceable	Under UV Lamp
Drying Time (Touch to Dry)	10 -15 Min.
Hard Dry	2 Hours or More.
Pre and Post Heating for (Touch to Dry)	4-5 Min.
PCB Coating @50 Deg C Hard Dry	10 Min.
Curing Time	24 Hours
Optimum Properties	7 Days
Water Vapour Dans, Rate ASTM-E-96g/h-m2	0-310
Shore Hardness ISO-868-durometer	58
Elongation ISO-527-3 N/mm2Cpsi	5-9 (847)
Tensile Modules ISO-527-3 N/mm2Cpsi	575 (82000)
Volume Resistivity IEC-60093 Ω	7.00×10^{15}
Surface Resistivity IEC-60093 Ω	1.63×10^{17}
Flame Test As per UL94-V-1	Pass
Packing	500 ml Aerosol
Shelf life @ room temperature	12 Months



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Application

Spraying

Clean the surface thoroughly.
Spray Acrylcoat from a distance of 25cms. from the surface evenly.

For better results, preheat the board in oven at 45°C or by using hot air blower before coating.

Post heat after coating at 45°C for 2-3 mins.
Spray each pass in one direction only.

SHAKE THE AEROSOL BOTTLE WELL BEFORE EACH APPLICATION.

If there are sharp edges on one side of the board (on solder side), place the board horizontally with the components leads facing down after it is sprayed.

Removal

The coating can be removed using
Conins Thinner EL-CLEAN

Storage

Care should be taken while storing the coating material.

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.

Caution

Use conformal coating in a very well-ventilated room. Do not use it in an air-conditioned room.

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.



Conins Pune

[www.pcbconformalcoating.net /](http://www.pcbconformalcoating.net/)
www.coninsindia.com

Head Office: 267/A/2, Unit No. B1 & B2, Plot No. 18, Gulhane Estate, Pirangut, Tal. Mulshi,
Dist. Pune – 412115

Contact : +91 95455 91323, 94220 03495, 95454 94422 , 9356286640

Mail ID: coninspune@gmail.com

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