



# ACRYLCOAT AR-30 – ACRYLIC BASE CONFORMAL COATING

Global Quality Through Indigenous Technology



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

CONINS ACRYLCOAT AR-30 is a range of high quality, flexible, transparent, and eco-friendly acrylic conformal coating for PCA which are inevitable and delicate components in electronics and electrical. PCA can be damaged in harsh environmental conditions and results in failure of electronics to function. ConinsAcrylcoat AR-30 provides the right protection for the PCAs.

- 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-30
Appearance (Liquid & Coated Dry Film)	Clear, Transparent
Specific Gravity (Density @25 Deg)	0.914
Viscosity (@25 Deg)	25 CPS
Flash Point	<40
CTI Value	600
Coating Thickness (Single Coat)	15-20 Micron
Diaelectric Strength	15 KV/MM
Thermal Cycling	AS PER MIL Std.
Moisture Resistance	$1.5 \times 10^{12}$ Ohms
Insulation Resistance	$3.5 \times 10^{12}$ Ohms
Fungus Resistance	AS PER MIL Std.
Withstand Temperature (Film)	-40° To +130° (Deg C)
Coverage Area (20 micron Film)	2m <sup>2</sup>
Film Traceble	Under UV Lamp
Drying Time (Touch to Dry)	5-7 Min.
Hard Dry	2 Hours
Pre and Post Heating for (Touch to Dry)	1-3 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-durameter	58
Elongation ISO-527-3 N/mm2Cpsi	5-9 (847)
Tensile Mudules ISO-527-3 N/mm2Cpsi	575 (82000)
Volume Resistivity IEC-60093 $\Omega$	$7.00 \times 10^{15}$
Surface Resistivity IEC-60093 $\Omega$	$1.63 \times 10^{17}$
Flame Test As per UL94-V-1	Pass
Packing	500 ml Aerosol
Shelf life @ room temperature	24 Months



ACRYLCOAT  
AR-30



## 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.

Refer MSDS prior to use.



**ConinsPune**

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