



## Air Drying Class 'H' Anti Track & Insulating Varnish

### **Product Description**

ASV® HC 80 anti track and protective varnish is a coating with exceptional insulating properties for electrical and electronic equipment to provide surface protection against oils, water, moisture, corrosion, acids, alkalis & temperature variations.

Dry to touch in 15 minutes after application, and tack free within 60 minutes, this fast air drying, flexible coating has excellent adhesion to metal windings and coils with a temperature Class H (180°C) rating and high dielectric strength.

ASV® HC 80 offers complete surface protection by sealing out water and moisture while possessing excellent penetrating and adhesive properties along with resistance to oils.

### **Applications**

Use HC 80 protective coating to insulate and seal:

- Motor windings • Terminals • Bus bars • Commutator ends • Stator coils • End turns on electrical windings
- Printed circuit boards • Ceramic & plastic insulators
- Armatures • Rewound motors • Generators • Insulator bushes • Transformers

Highly suitable for insulating electrical windings that are exposed to extreme moisture and corrosive conditions as well as temperature and voltage fluctuations

### **Benefits**

- Possesses high dielectric strength, surface and volume resistivity to provide effective insulation of electrical equipment
- Hard, durable & flexible protective film does not peel, crack or age and offers protective resistance to shocks, abrasion as well as aggressive chemical environments
- Fast air-drying, stable, single component coating with excellent resistance against oils, chemicals, ageing, moisture condensation, weathering effects
- Seals out moisture with a visible, highly glossy, smooth abrasion resistant protective coating
- Highly heat resistant coating suitable for Class H insulation with greater allowance for thermal expansion and contraction
- Prevents tracking, corona discharges, flashovers and electrical failures caused by water seepage
- Very good adhesion on a variety of substrates
- Oil resistant to ASTM D 115

### **Directions for Use**

Shake can well before use. Clean thoroughly and dry the surface to be coated before application of this coating. Mask area not to be sprayed. Spray from 12-15 inches away in light, even coats with a sweeping action of the hand. Allow solvents to evaporate completely before re-application. Additional coats for heavy film can be applied when first coat is dry. Coating becomes dry to touch in about 20-30 minutes. 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 solvents and propellant. Do not spray near naked flame, hot surfaces or energized equipment. Use with adequate ventilation.

Technical Information

# HC 80

## Red or Clear Grades

### Technical Properties (Red & Clear Grades)

Property	Value
Description	Anti track, insulating & protective varnish
Class	H
Type	Fast air drying coating
Adhesion	Excellent
Color Fastness	Excellent
Solvents	Ketones, Aliphatic
Percent Solids (By Weight)	18 minimum
Odor	Solvent
Appearance	Glossy finish
Specific Gravity @ 20°C	0.90 - 1.05 gm/cc
Flash Point	-18° C (aerosol)
Drying Time Schedule, @ 25°C	
-To Touch	10-15 minutes
-To Handle	30-45 minutes
- Full Cure	24 hours
Recoating Period	After drying to handle
Corrosion Resistance Test	Passes
Resistant To	Mineral oils, mineral spirits, gas, water, humidity
Temperature Range	-40°C to +180°C
Evaporation Rate	> n,butyl acetate
Vapor Pressure (air=1)	> air
Dielectric Strength	2200 volts/mil
Dry Film Thickness(dft)	20-25 microns per coat
Stability	Stable under normal conditions
Conditions To Avoid	Keep away from heat and sources of ignition
Chemical Incompatibility	Strong oxidizing agents, alkalis, acids
Propellant	Hydrocarbon
Safety	Does not contain any human carcinogenic substances

\* of active ingredients

### Available Packaging

- HC 80 (Clear) 4 kg container & 500 ml aerosol spray
- HC 80 (Red) 4 kg container & 500 ml aerosol spray

### 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).

### Disposal

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

### Shelf Life

Bulk - 12 months from date of manufacture in sealed condition  
Aerosol - 24 months from date of manufacture

### Handling

Safety data sheet is available from ASV or your local ASV 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 ASV® 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.

ASV MULTICHEMIE PRIVATE LIMITED

Registered Office: W 46, TTC Industrial Area, MIDC Rabale, Navi Mumbai-400 701, INDIA

Tel: +91 (022) 2764 2514 | E-mail: info@asvmultichemie.com

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