

|| Conducting Paint ||

Composition

The paint consists of mixture of conductive graphite filler in a specially modified alkyd resin.

Properties

Conducting paint used for corona protection in high voltage rotating electrical machine. The paint can be applied on the high voltage stator coil / bar using brush. Its main function is to control electric stress and dissipate any surface corona discharge may occur.

Application

The Paint can be used for Resin rich/Resin poor insulation systems as voltage gradient on the straight portion of high voltage coils/ bars for HV machines. Thin & uniform coating should be applied by brush. In case of multiple coating, at least 45 minutes time gap to be allowed for drying of previous layer.

Processing

The paint must be stirred & mixed thoroughly before application as it contains heavy particles having tendency to quickly settle down. If necessary, MEK or other compatible solvent can be used as thinner to get required consistency of paint during its application. The paint must be stored sealed original containers in controlled atmosphere.

Product Data

Properties	Unit	Value
Solid content	%	47± 3
Density	g /cm ³	approx.1.15
Drying time at R/T- Surface dry	Minutes	45
Drying time at R/T- Complete dry	Hr.	08
Flash point	°C	≥ 15
Surface resistivity	Ohm/sq	< 5 k-ohm (25 micron thick layer)
Thermal class	°C	155

Availability

In metal containers 1 kg & 5 kg

Shelf life

Minimum 12 months at ≤ 25°C in sealed container.